

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\  
 Data File : VW014723.D  
 Acq On : 23 Jan 2020 14:03  
 Operator : SY/VA  
 Sample : VW0123SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/24/2020 4:02:35 PM

Quant Time: Jan 24 05:31:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 671714   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 993159   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 856396   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 424972   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 296817   | 50.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.08% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 283011   | 49.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.72%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 1162459  | 49.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.14%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 387033   | 48.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.34%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 82023   | 21.627  | ug/l | 94     |
| 3) Chloromethane              | 2.21 | 50  | 121175  | 26.102  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.35 | 62  | 168121  | 24.622  | ug/l | 97     |
| 5) Bromomethane               | 2.77 | 94  | 94934   | 22.507  | ug/l | 94     |
| 6) Chloroethane               | 2.92 | 64  | 91349   | 23.470  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 90057   | 26.361  | ug/l | 95     |
| 8) Diethyl Ether              | 3.67 | 74  | 72318   | 21.276  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 148251  | 23.225  | ug/l | 100    |
| 10) Methyl Iodide             | 4.27 | 142 | 205366  | 21.323  | ug/l | 97     |
| 11) Tert butyl alcohol        | 5.15 | 59  | 51603   | 100.219 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 148220  | 22.173  | ug/l | 98     |
| 13) Acrolein                  | 3.89 | 56  | 44565   | 86.941  | ug/l | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 240193  | 23.514  | ug/l | 98     |
| 15) Acrylonitrile             | 5.36 | 53  | 170773  | 109.913 | ug/l | 98     |
| 16) Acetone                   | 4.11 | 43  | 175705  | 105.954 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.38 | 76  | 451576  | 22.414  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 87102   | 21.748  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 188998  | 22.777  | ug/l | 98     |
| 20) Methylene Chloride        | 4.92 | 84  | 186648  | 25.625  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 156316  | 22.023  | ug/l | 93     |
| 22) Diisopropyl ether         | 6.31 | 45  | 460497  | 24.085  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1312240 | 113.656 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 284773  | 23.612  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 226196  | 106.288 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 163471  | 24.482  | ug/l | 95     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 164029  | 21.993  | ug/l | 93     |
| 28) Bromochloromethane        | 7.51 | 49  | 90570   | 19.155  | ug/l | 92     |
| 29) Tetrahydrofuran           | 7.52 | 42  | 139321  | 105.674 | ug/l | 97     |
| 30) Chloroform                | 7.67 | 83  | 265259  | 23.519  | ug/l | 97     |
| 31) Cyclohexane               | 7.95 | 56  | 285624  | 22.788  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 217896  | 24.022  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.07 | 75  | 228969  | 23.914  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.24 | 43  | 101671  | 23.414  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 198978  | 23.955  | ug/l | 96     |

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 Acq On : 23 Jan 2020 14:03  
 Operator : SY/VA  
 Sample : VW0123SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0123SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/24/2020 4:02:35 PM

Quant Time: Jan 24 05:31:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 272491   | 22.177  | ug/l   | 94       |
| 40) Benzene                    | 8.32  | 78   | 635054   | 23.443  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 53010    | 21.900  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 168533   | 23.973  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 174666   | 22.151  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 165450   | 22.571  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 156797   | 23.587  | ug/l   | 98       |
| 46) Dibromomethane             | 9.45  | 93   | 73305    | 22.338  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.64  | 83   | 187812   | 23.181  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 80955    | 21.028  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 26181    | 426.547 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 461478   | 112.698 | ug/l   | 97       |
| 52) Toluene                    | 10.38 | 92   | 396591   | 23.271  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 185387   | 22.099  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 229752   | 22.409  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 106332   | 22.186  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 132444   | 21.263  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 189036   | 22.441  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 208161   | 109.884 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.96 | 43   | 316500   | 112.167 | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.12 | 129  | 119061   | 22.017  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 97296    | 21.386  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 137721   | 22.213  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.65 | 112  | 395914   | 22.566  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 132681   | 22.461  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 726468   | 22.976  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.83 | 106  | 559131   | 46.205  | ug/l   | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 252914   | 22.626  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 431373   | 22.816  | ug/l   | 98       |
| 71) Bromoform                  | 12.35 | 173  | 66724    | 20.708  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 703579   | 22.563  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 151103   | 21.612  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 120944   | 21.489  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.76 | 75   | 75261m   | 18.731  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 159065   | 21.963  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.80 | 91   | 845610   | 23.062  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 473566   | 22.695  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 587766   | 22.449  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 37848    | 20.987  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 504256   | 23.260  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.20 | 119  | 505825   | 22.066  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 593495   | 22.779  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 722043   | 22.756  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 652082   | 22.547  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.49 | 146  | 310809   | 22.069  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 305603   | 21.980  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 618681   | 23.036  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.09 | 117  | 110975   | 21.965  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 271822   | 21.960  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 18983    | 21.298  | ug/l   | 90       |

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Data File : VW014723.D  
Acq On : 23 Jan 2020 14:03  
Operator : SY/VA  
Sample : VW0123SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

Manual Integrations  
APPROVED

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1/24/2020 4:02:35 PM

Quant Time: Jan 24 05:31:56 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 03 16:07:20 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 177570   | 21.243 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.23 | 225  | 121529   | 21.695 | ug/l  | 97       |
| 95) Naphthalene            | 15.36 | 128  | 278811   | 19.558 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 148898   | 20.436 | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

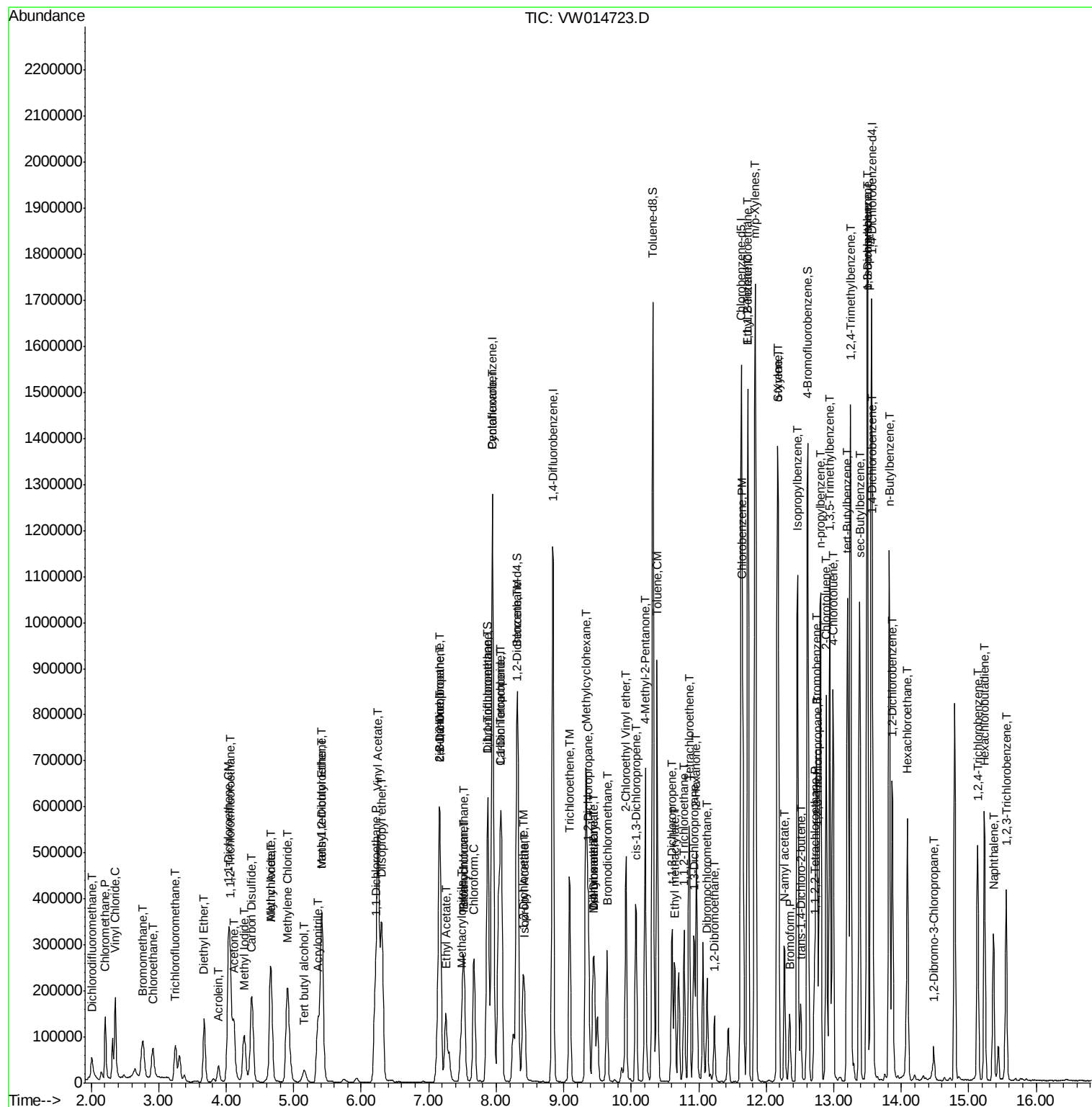
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 Data File : VW014723.D  
 Acq On : 23 Jan 2020 14:03  
 Operator : SY/VA  
 Sample : VW0123SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

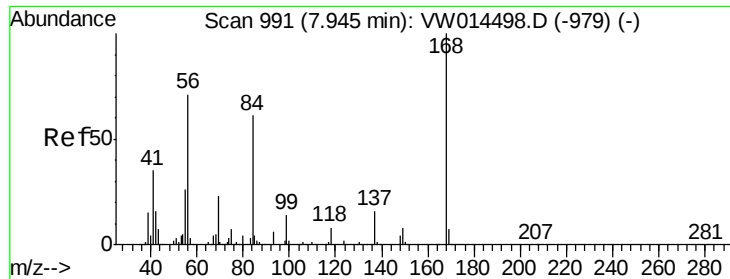
Instrument :  
 MSVOA\_W  
 Client Sample Id :  
 VW0123SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/24/2020 4:02:35 PM

Quant Time: Jan 24 05:31:56 2020  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion:168 Resp: 671714

Ion Ratio Lower Upper

168 100

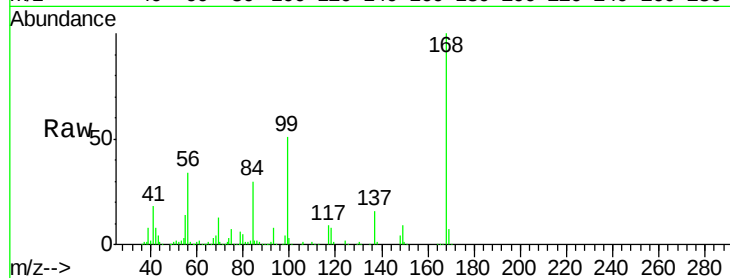
99 51.3 41.1 61.7

Manual Integrations

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1/24/2020 4:02:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

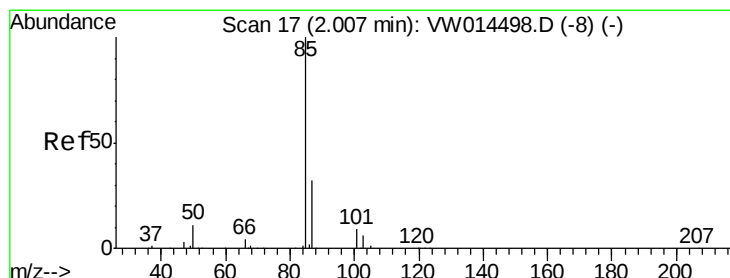
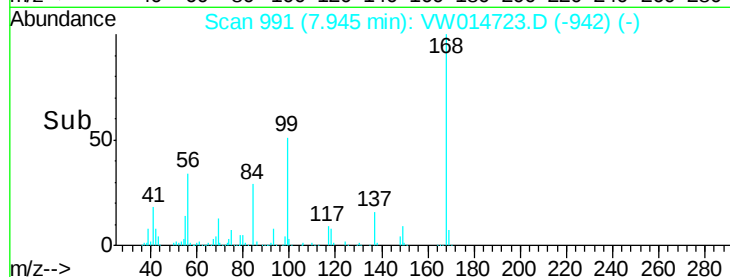
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.627 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014723.D

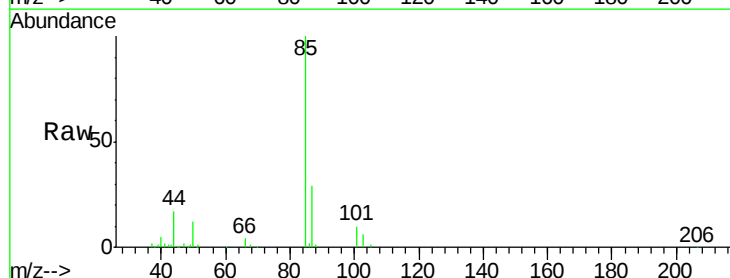
Acq: 23 Jan 2020 14:03

Tgt Ion: 85 Resp: 82023

Ion Ratio Lower Upper

85 100

87 28.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

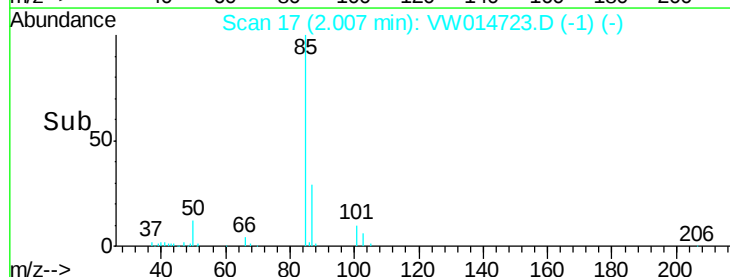
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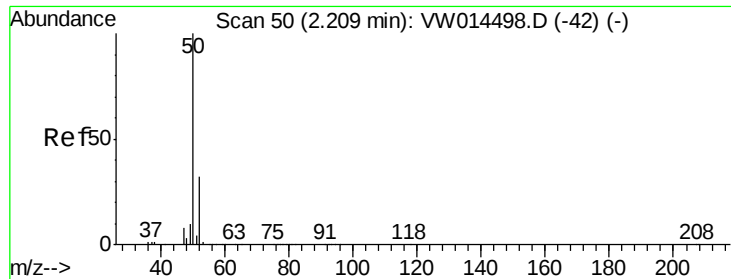
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 26.102 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 50 Resp: 121175

Ion Ratio Lower Upper

50 100

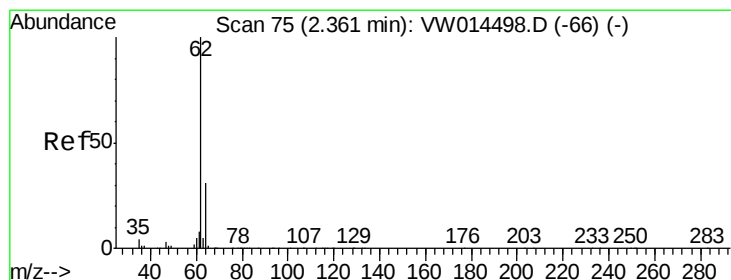
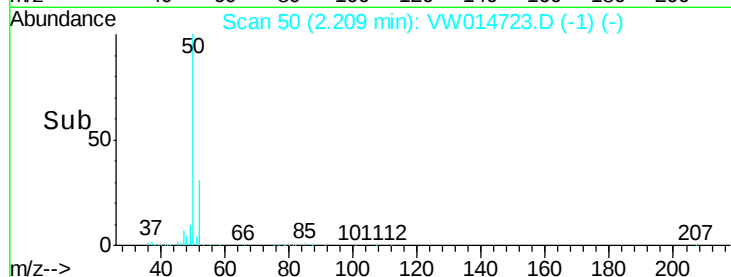
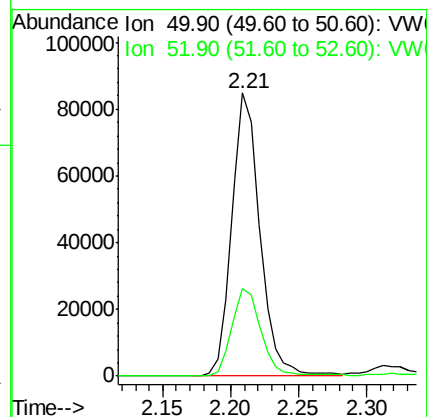
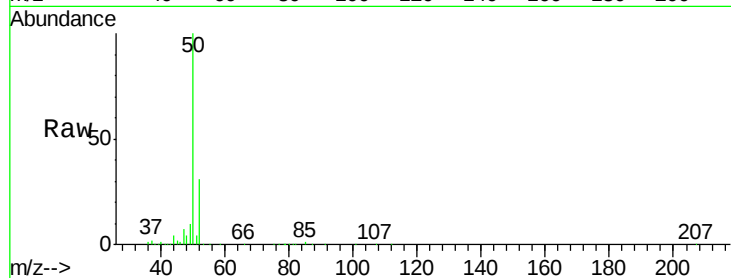
52 30.9 25.8 38.8

Manual Integrations

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1/24/2020 4:02:35 PM



#4

Vinyl Chloride

Concen: 24.622 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014723.D

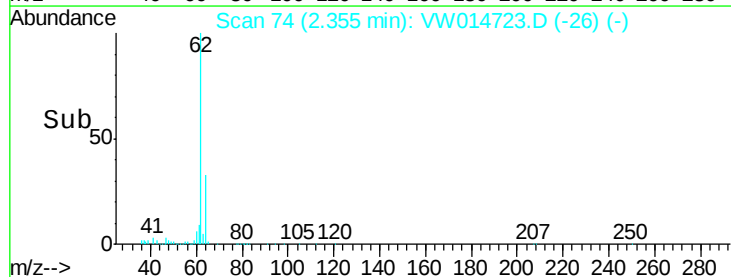
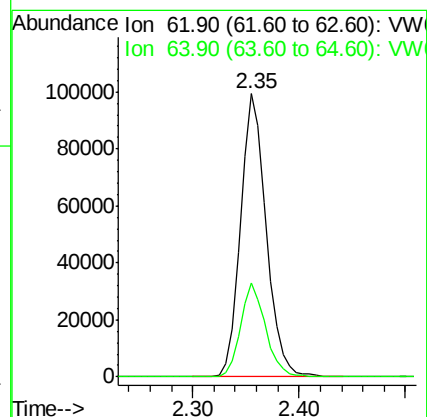
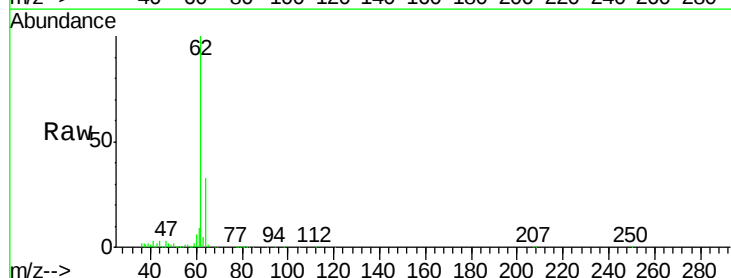
Acq: 23 Jan 2020 14:03

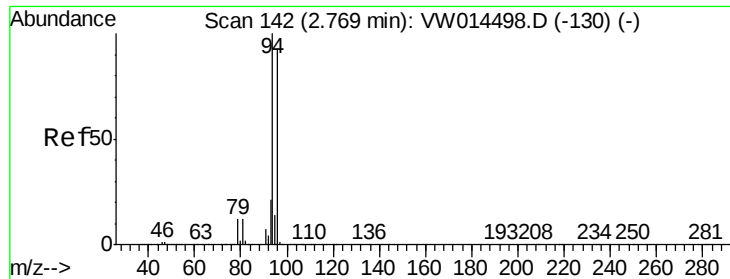
Tgt Ion: 62 Resp: 168121

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 22.507 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion: 94 Resp: 94934

Ion Ratio Lower Upper

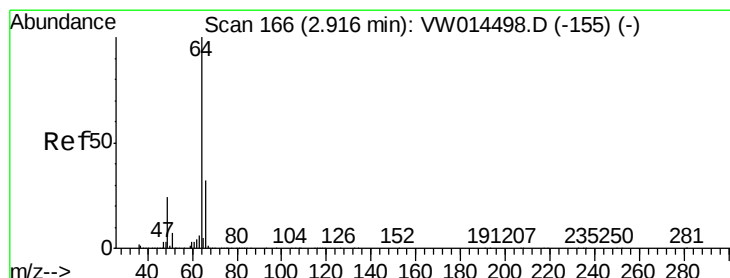
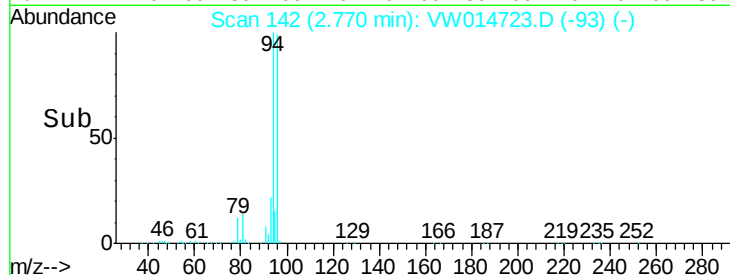
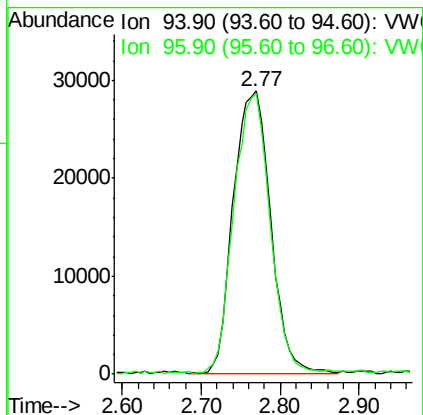
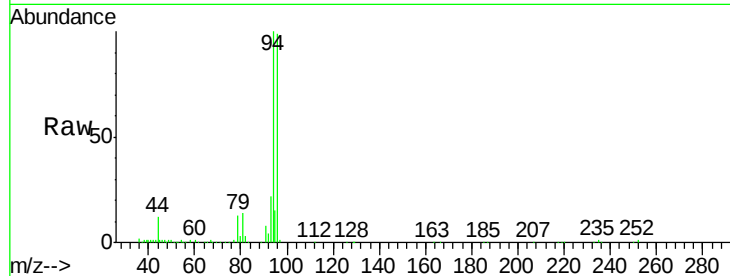
94 100

96 98.6 74.2 111.2

Manual Integrations  
APPROVED

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1/24/2020 4:02:35 PM



#6

Chloroethane

Concen: 23.470 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014723.D

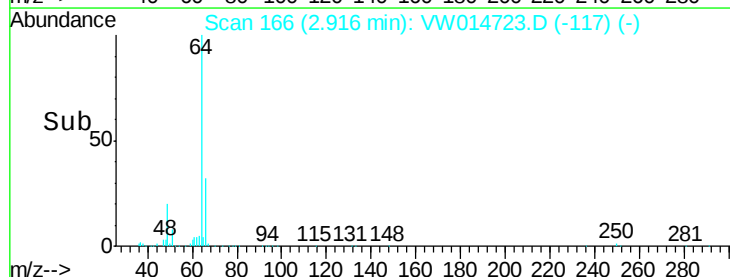
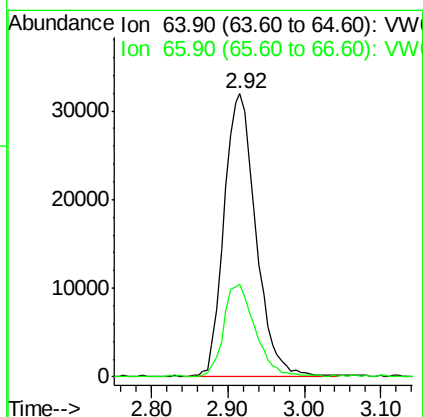
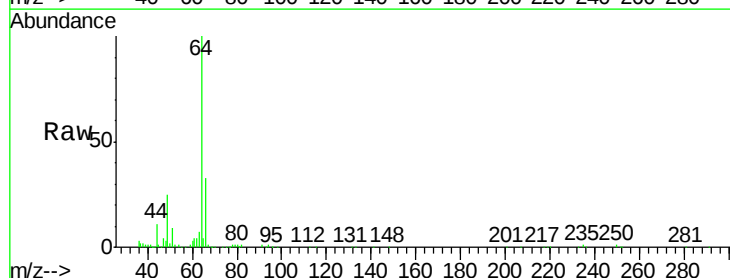
Acq: 23 Jan 2020 14:03

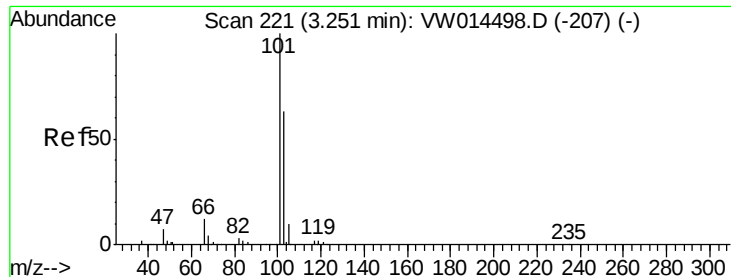
Tgt Ion: 64 Resp: 91349

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5





#7

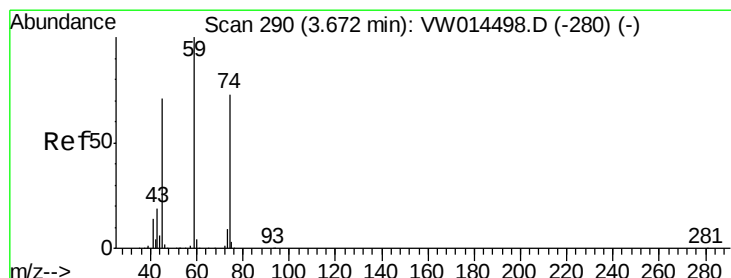
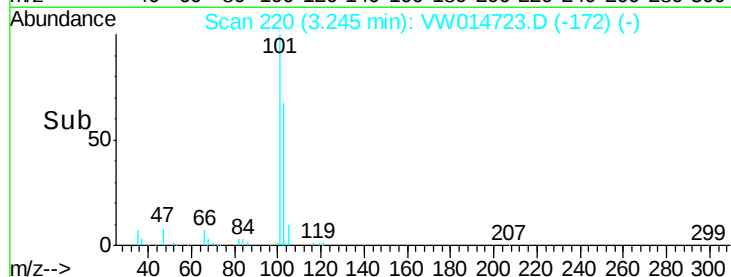
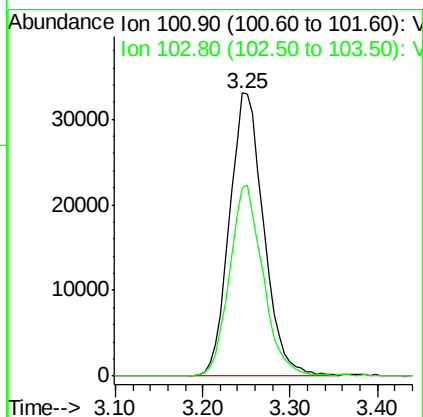
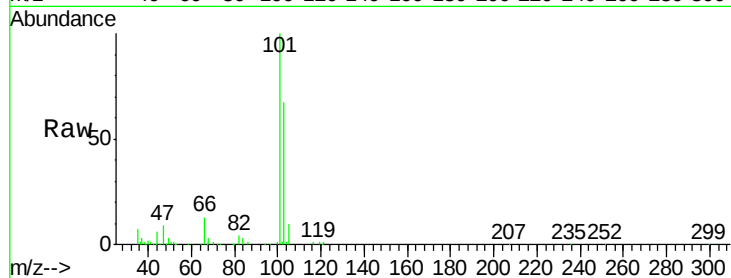
Trichlorofluoromethane  
Concen: 26.361 ug/l  
RT: 3.25 min Scan# 220  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.7  | 50.1  | 75.1  |

Manual Integrations  
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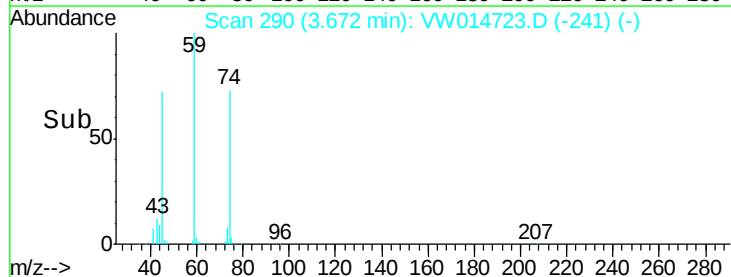
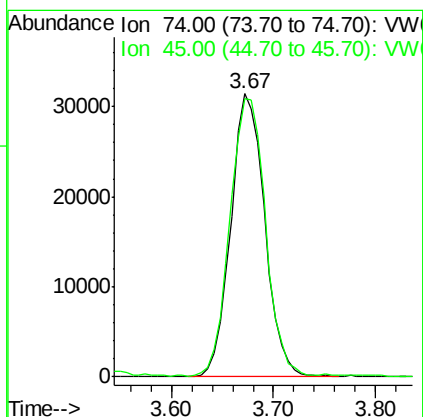
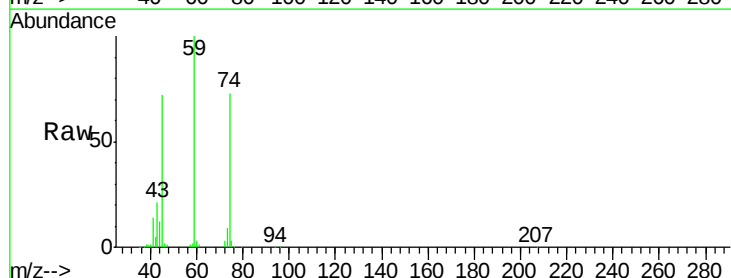
MMDadoda  
1/24/2020 4:02:35 PM



#8

Diethyl Ether  
Concen: 21.276 ug/l  
RT: 3.67 min Scan# 290  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.5 | 48.6  | 145.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.225 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

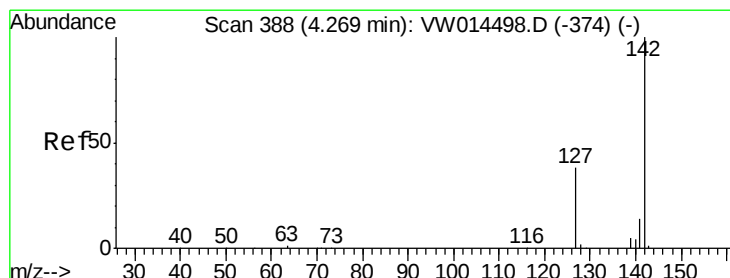
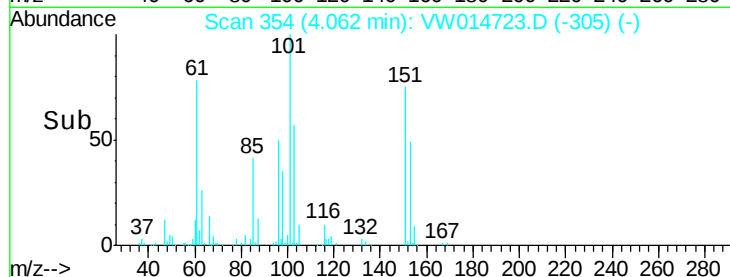
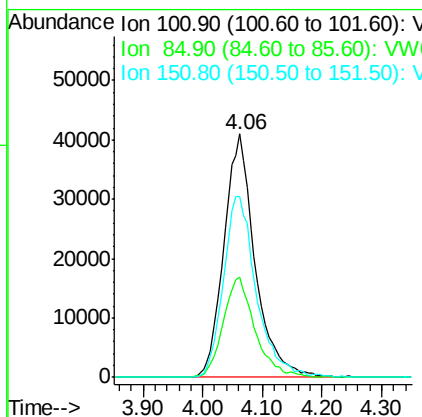
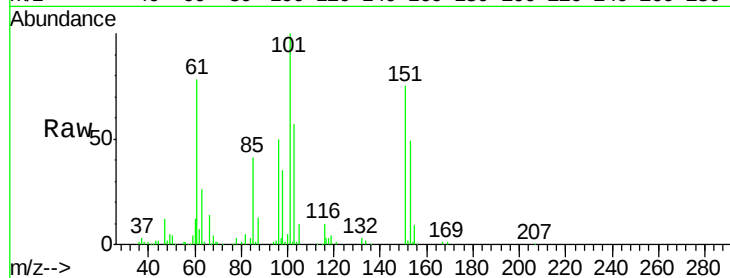
ClientSampleId :

VW0123SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 148251 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 33.7  | 50.5   |
| 151       | 78.8  | 63.5  | 95.3   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 21.323 ug/l

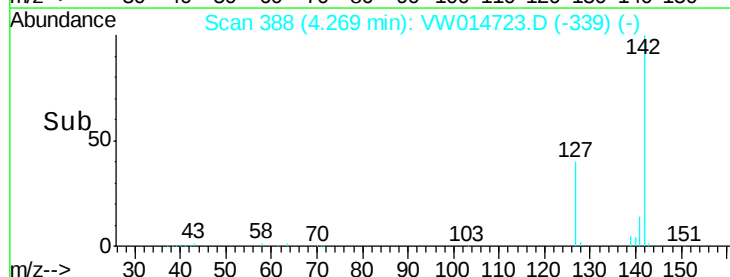
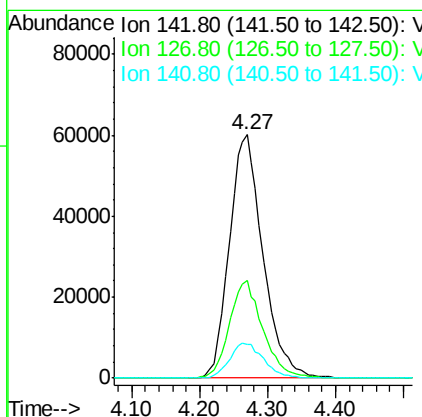
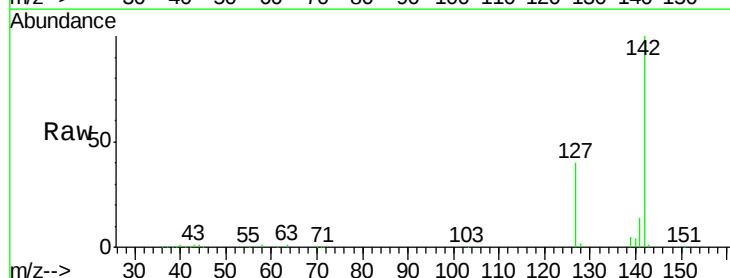
RT: 4.27 min Scan# 388

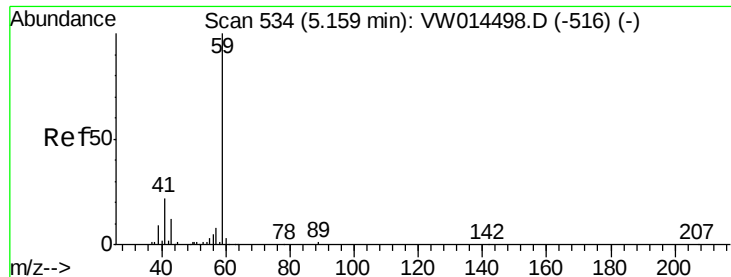
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 205366 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.9  | 30.2  | 45.4   |
| 141       | 14.6  | 11.4  | 17.2   |





#11

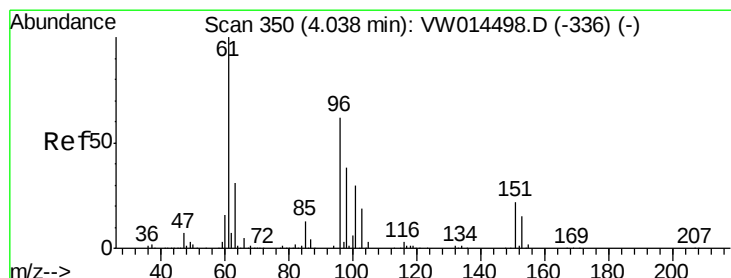
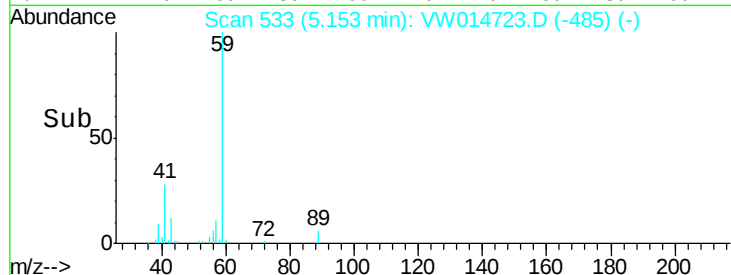
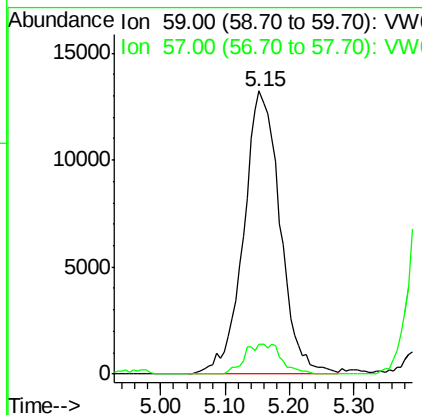
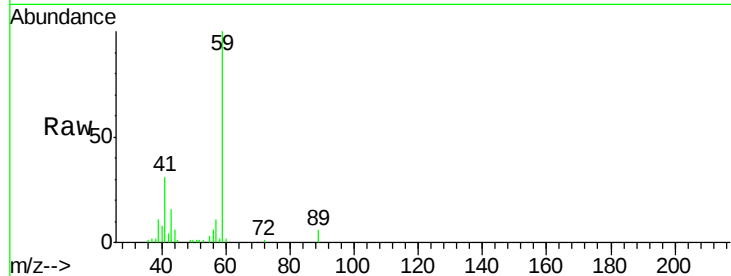
Tert butyl alcohol  
 Concen: 100.219 ug/l  
 RT: 5.15 min Scan# 533  
 Delta R.T. -0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.6  | 7.8   | 11.8  |

Manual Integrations  
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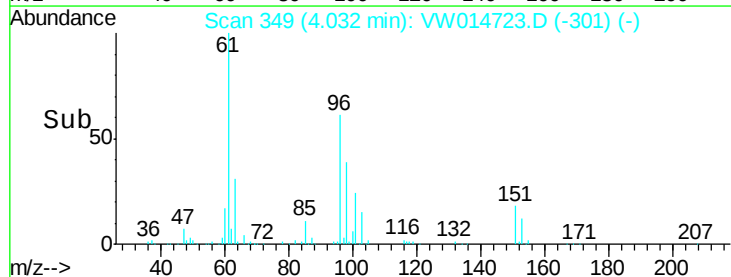
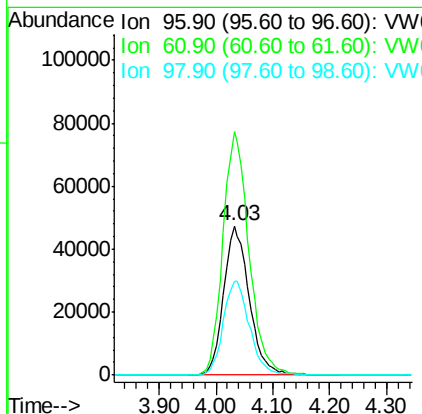
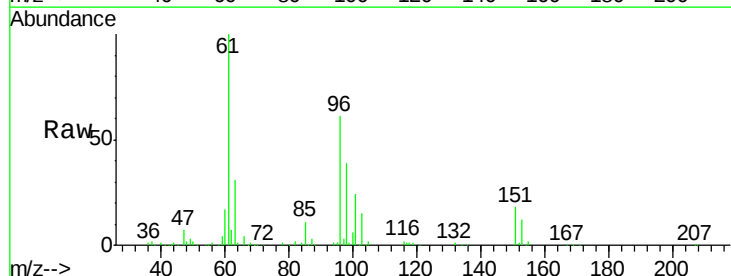
MMDadoda  
 1/24/2020 4:02:35 PM

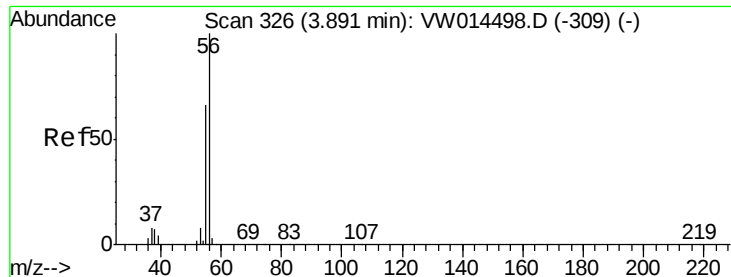


#12

1,1-Dichloroethene  
 Concen: 22.173 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.6 | 128.4 | 192.6 |
| 98      | 63.4  | 49.1  | 73.7  |





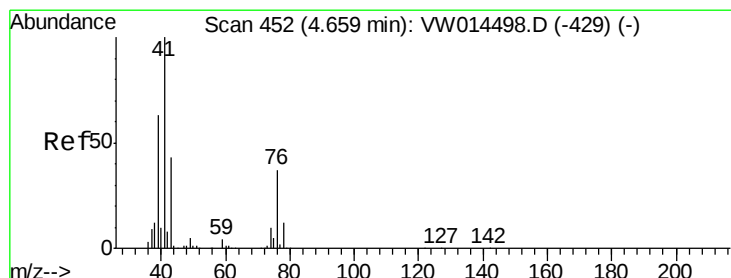
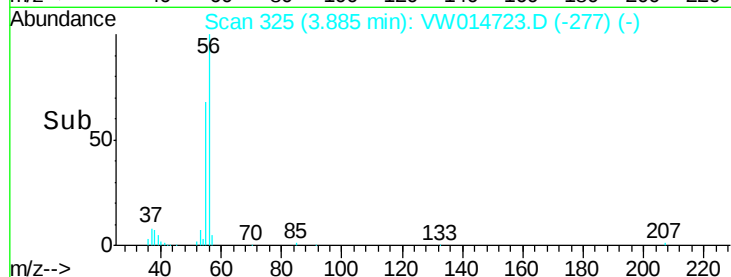
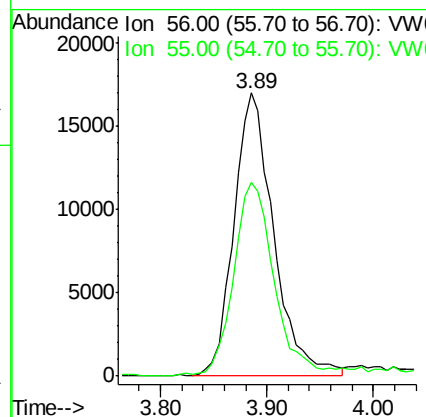
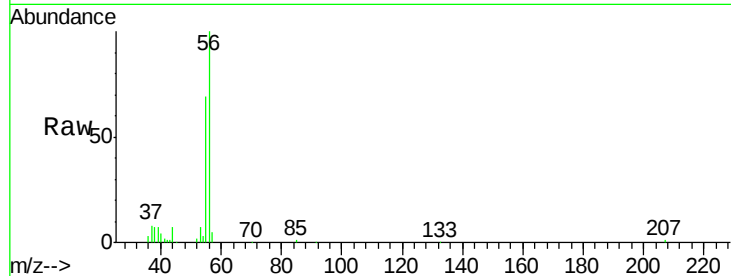
#13  
Acrolein  
Concen: 86.941 ug/l  
RT: 3.89 min Scan# 325  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 69.1  | 56.7  | 85.1  |

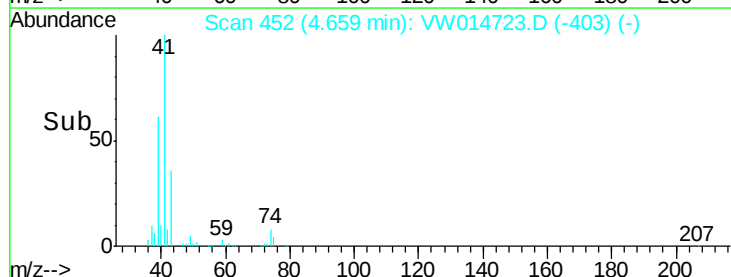
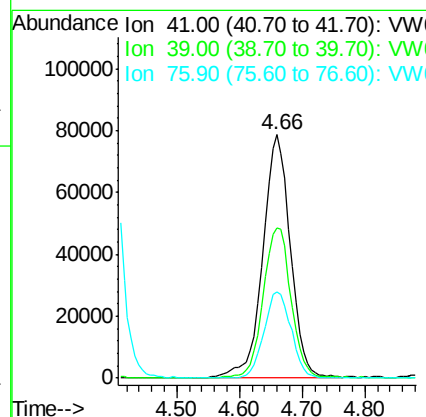
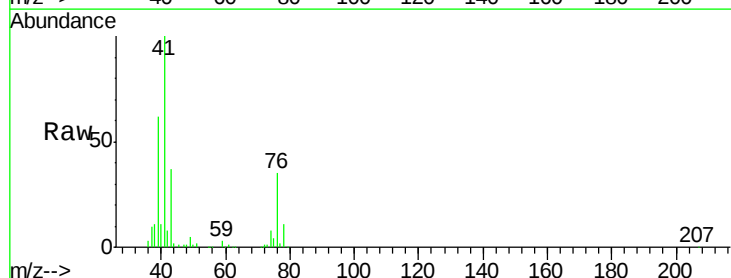
Manual Integrations  
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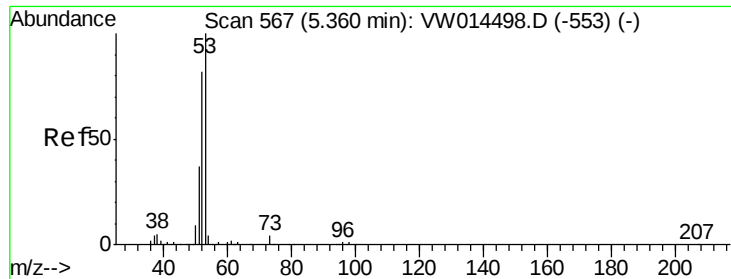
MMDadoda  
1/24/2020 4:02:35 PM



#14  
Allyl chloride  
Concen: 23.514 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 62.8  | 48.5  | 72.7  |
| 76      | 34.8  | 28.1  | 42.1  |





#15

Acrylonitrile

Concen: 109.913 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

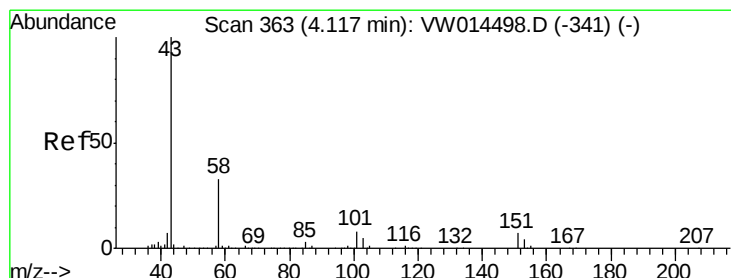
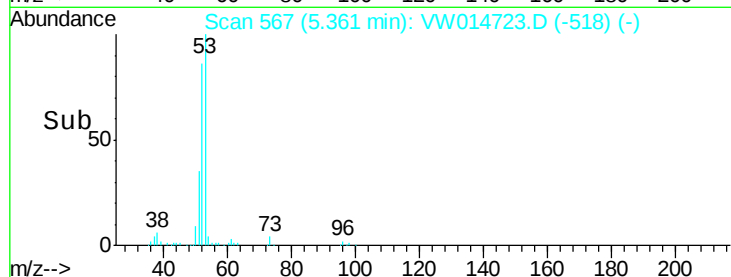
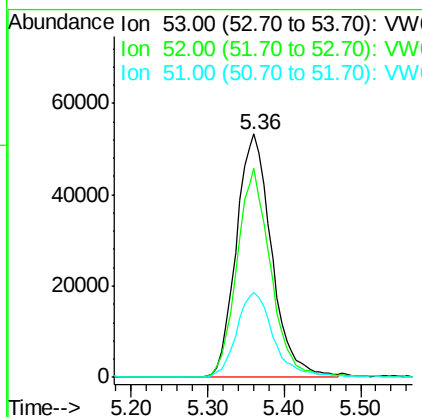
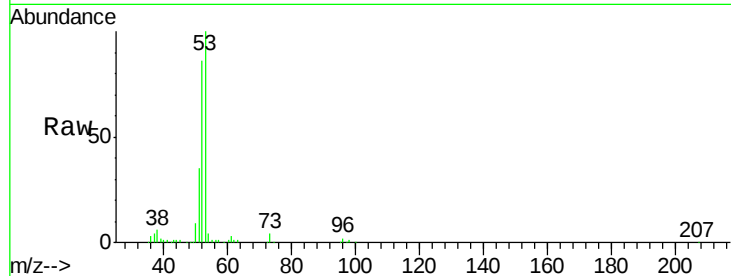
ClientSampleId :

VW0123SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 170773 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 81.5 | 66.5  | 99.7   |
| 51        | 36.4 | 28.4  | 42.6   |

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#16

Acetone

Concen: 105.954 ug/l

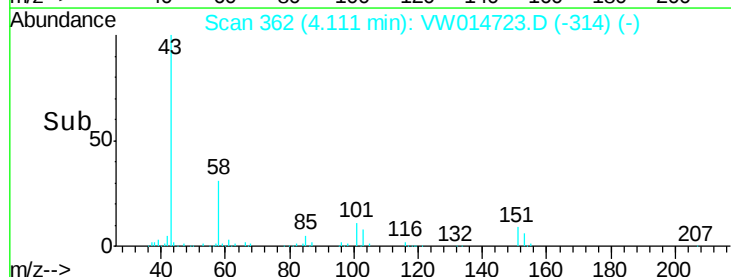
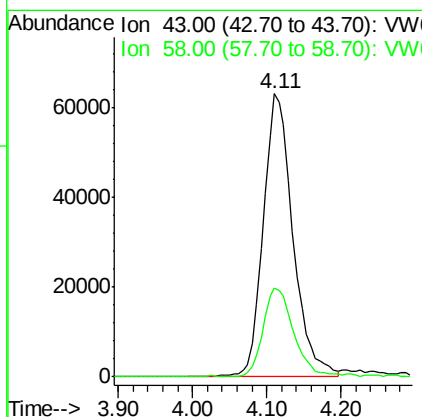
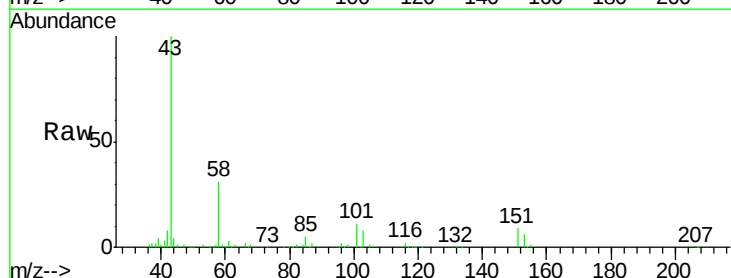
RT: 4.11 min Scan# 362

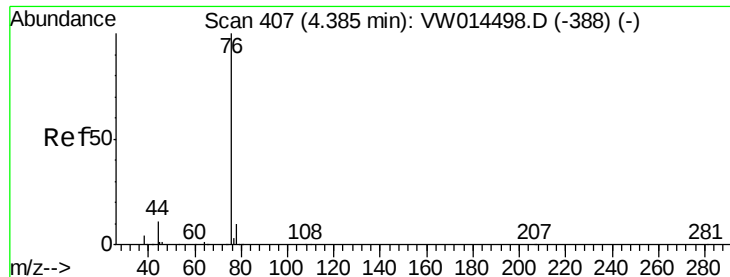
Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 175705 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.3 | 26.6  | 39.8   |





#17

Carbon Disulfide

Concen: 22.414 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 76 Resp: 451576

Ion Ratio Lower Upper

76 100

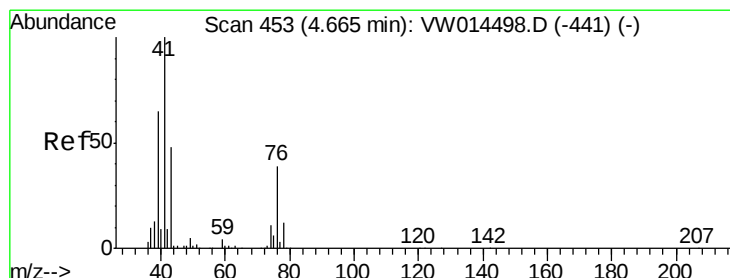
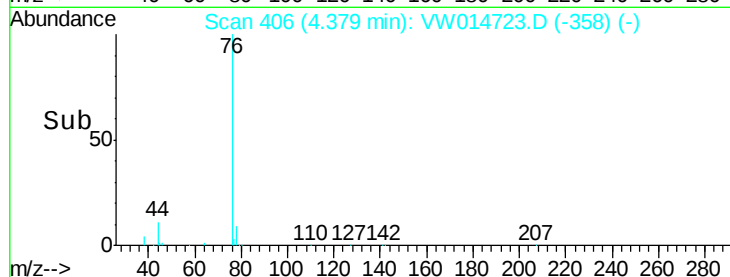
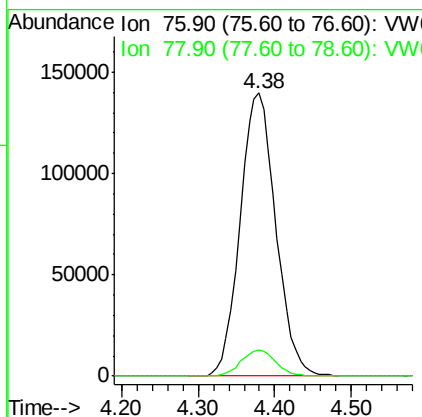
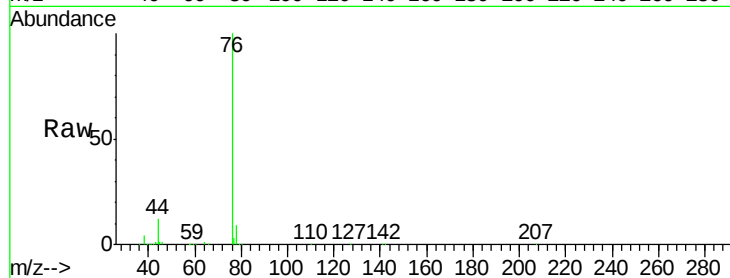
78 9.3 7.8 11.6

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#18

Methyl Acetate

Concen: 21.748 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014723.D

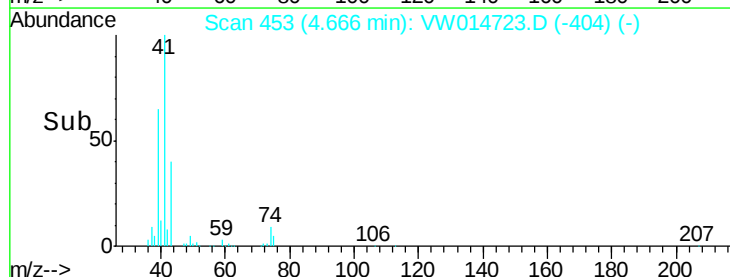
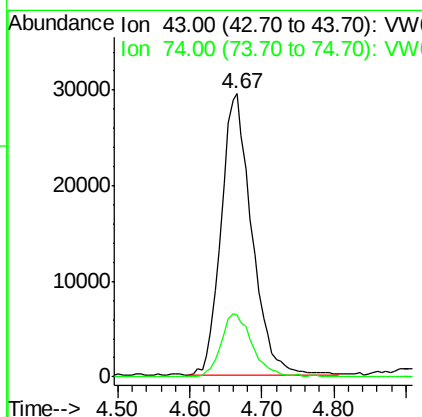
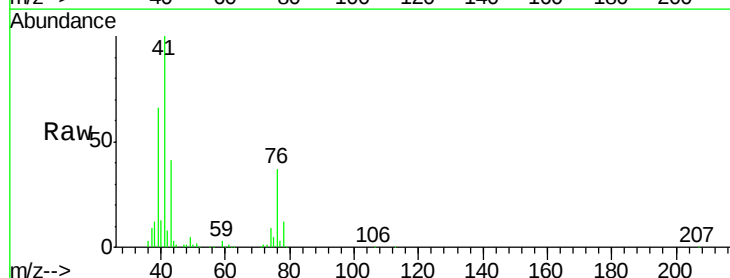
Acq: 23 Jan 2020 14:03

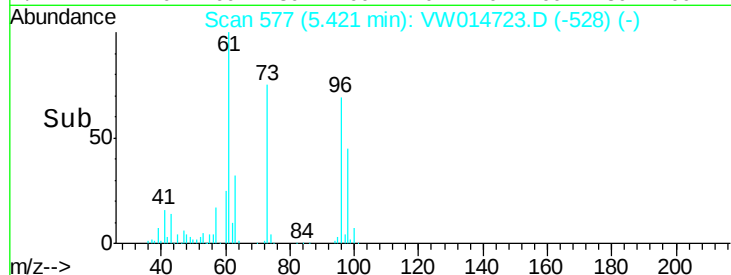
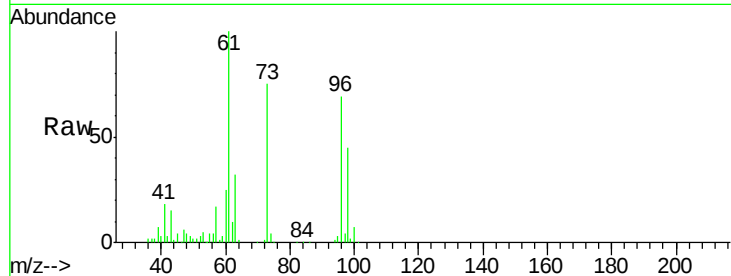
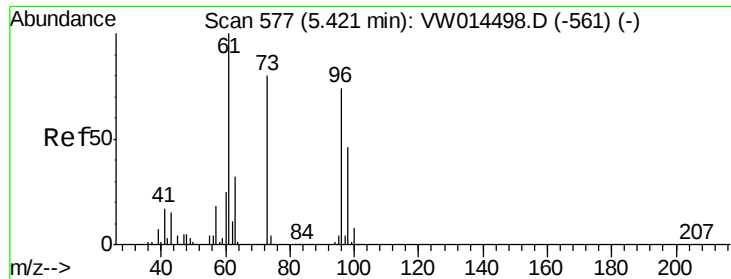
Tgt Ion: 43 Resp: 87102

Ion Ratio Lower Upper

43 100

74 22.8 19.3 28.9





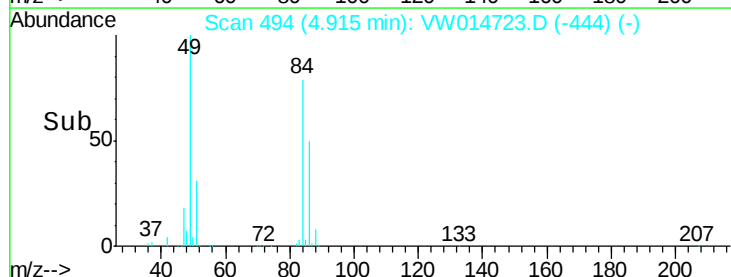
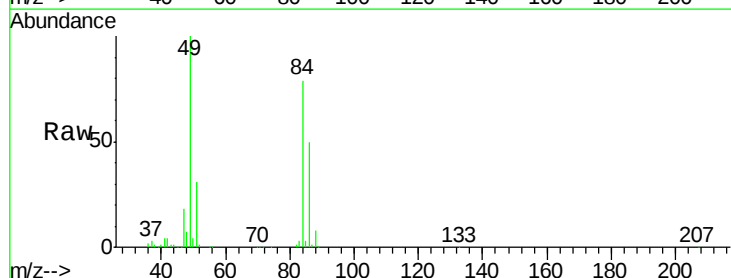
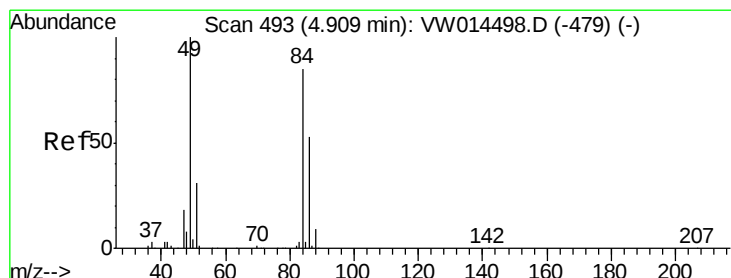
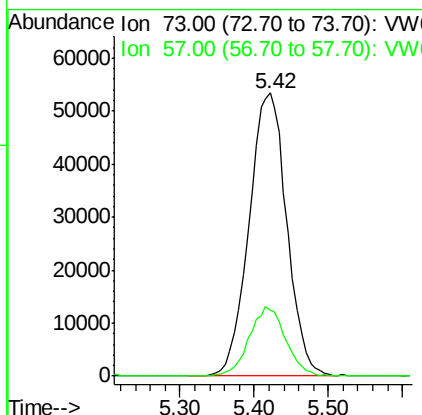
#19  
Methvl tert-butvl Ether  
Concen: 22.777 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Tot Ion: 73 Resp: 188998  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.1 27.1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

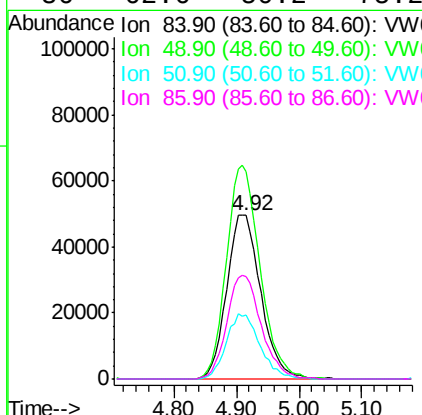
Manual Integrations  
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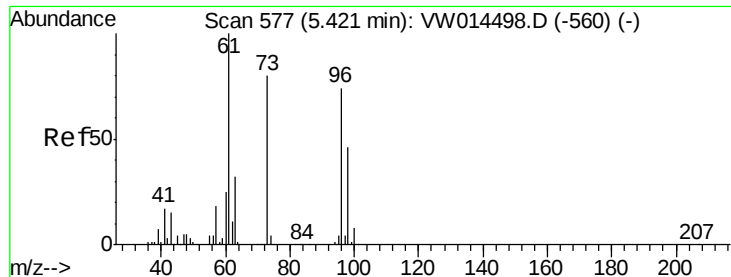
MMDadoda  
1/24/2020 4:02:35 PM



#20  
Methylene Chloride  
Concen: 25.625 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Tgt Ion: 84 Resp: 186648  
Ion Ratio Lower Upper  
84 100  
49 126.3 94.4 141.6  
51 39.0 29.5 44.3  
86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.023 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion: 96 Resp: 156316

Ion Ratio Lower Upper

96 100

61 145.4 107.8 161.6

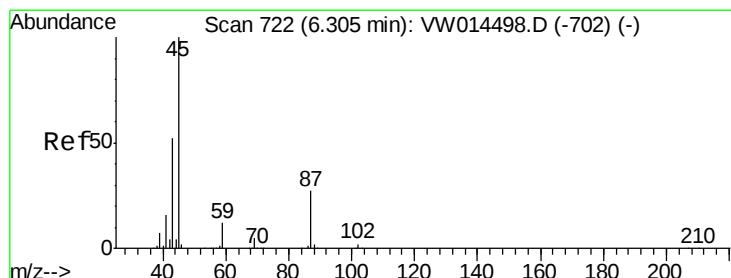
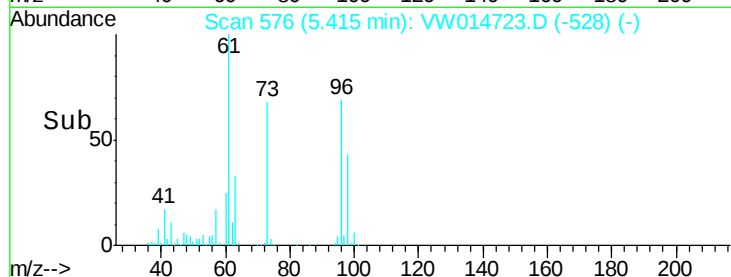
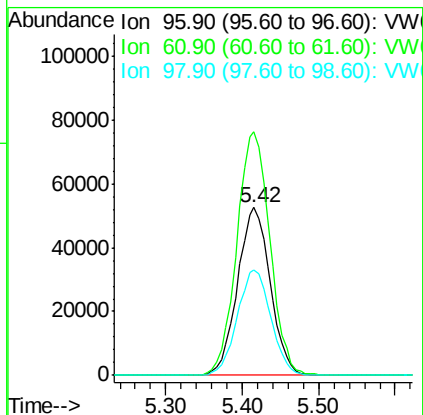
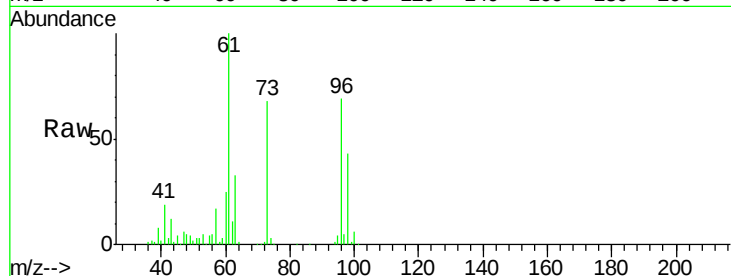
98 62.7 49.4 74.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 24.085 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Tgt Ion: 45 Resp: 460497

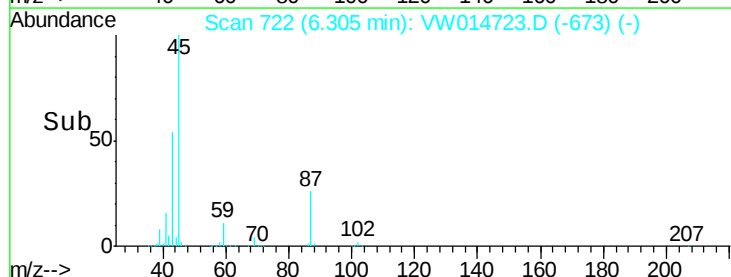
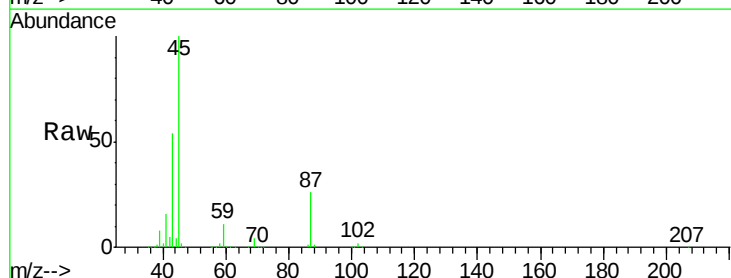
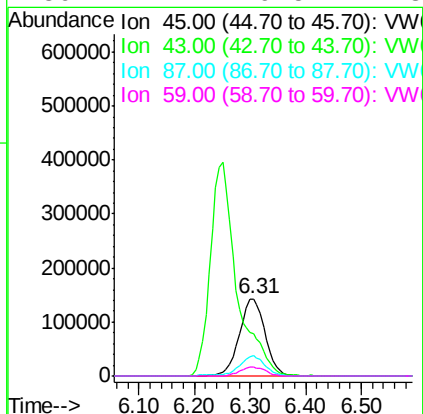
Ion Ratio Lower Upper

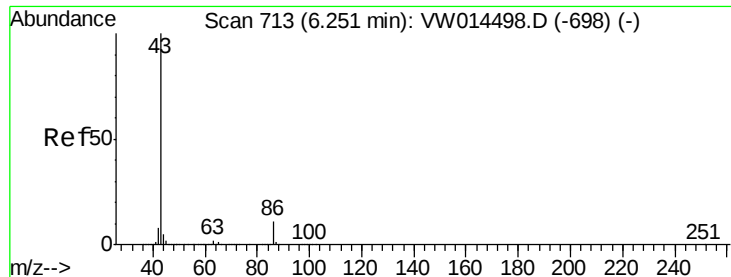
45 100

43 53.6 41.4 62.0

87 25.9 22.2 33.2

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 113.656 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion: 43 Resp: 1312240

Ion Ratio Lower Upper

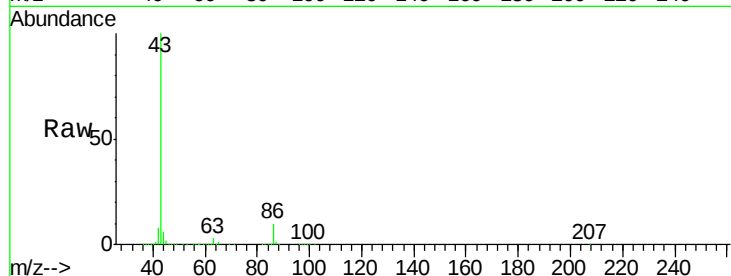
43 100

86 9.9 8.8 13.2

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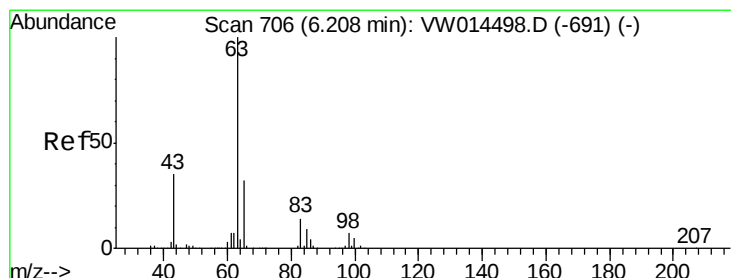
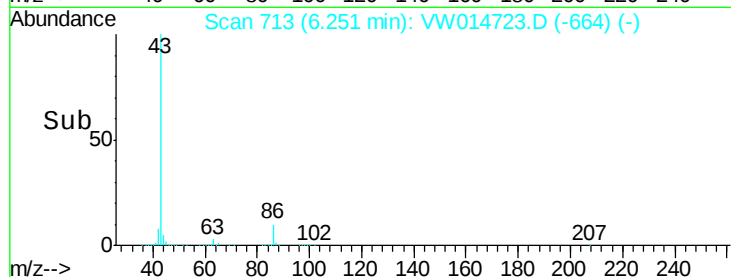
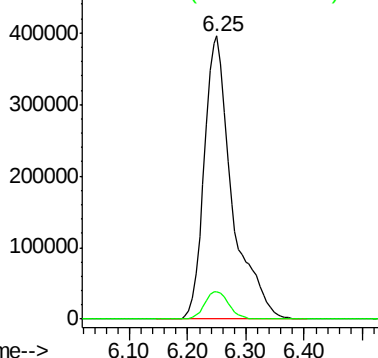
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.612 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

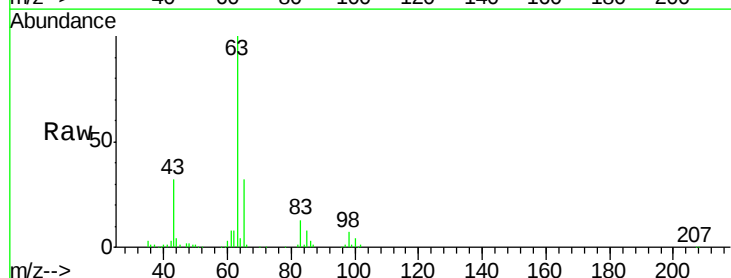
Tgt Ion: 63 Resp: 284773

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

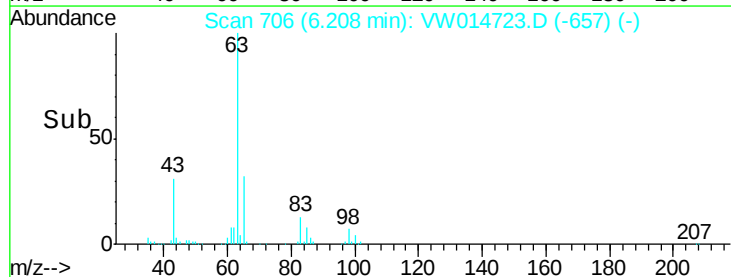
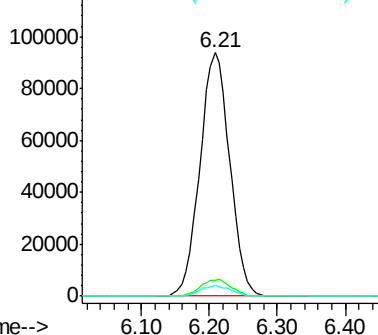
100 4.1 2.5 7.4

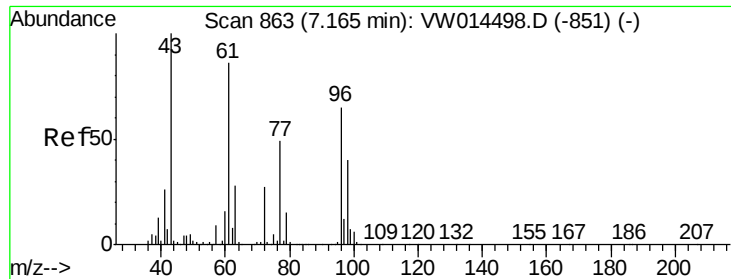


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 106.288 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 43 Resp: 226196

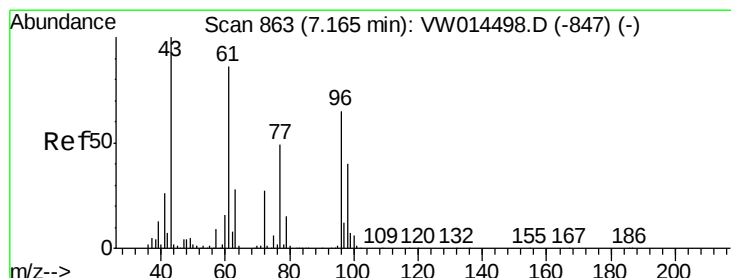
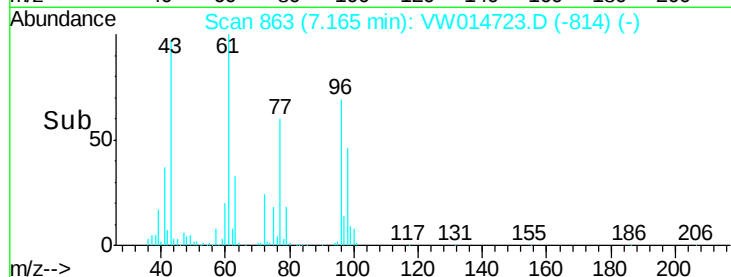
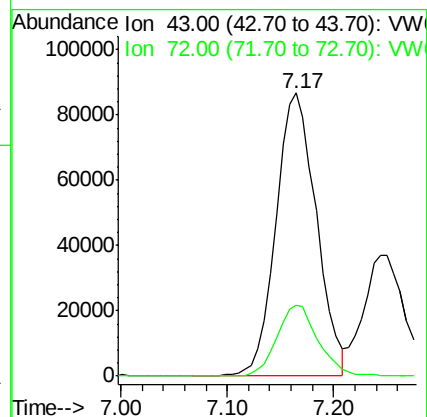
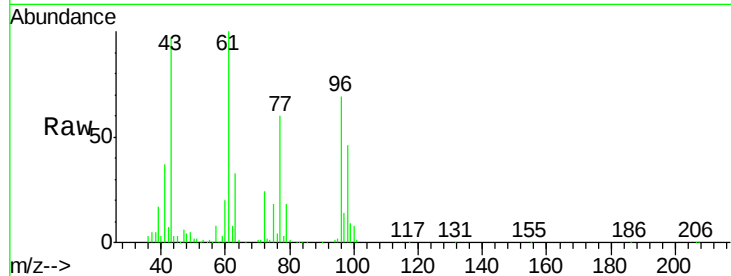
Ion Ratio Lower Upper

43 100

72 25.1 21.9 32.9

Manual Integrations  
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#26

2,2-Dichloropropane

Concen: 24.482 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014723.D

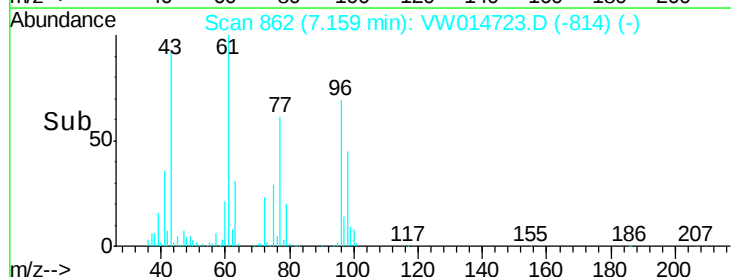
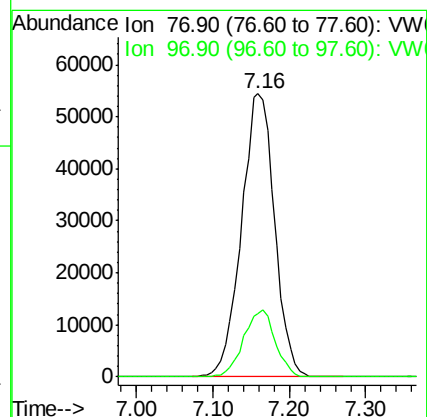
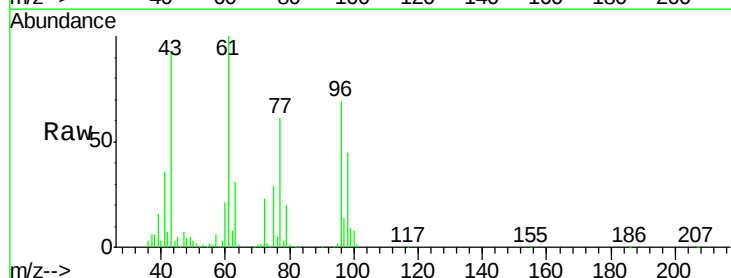
Acq: 23 Jan 2020 14:03

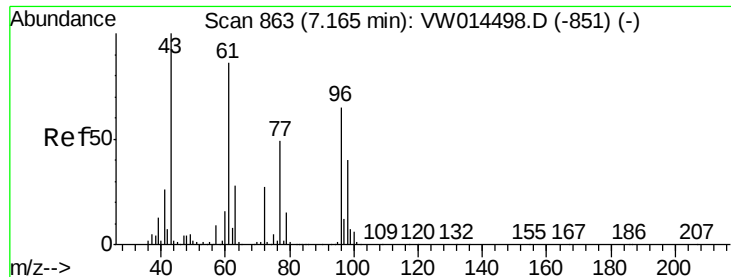
Tgt Ion: 77 Resp: 163471

Ion Ratio Lower Upper

77 100

97 22.6 12.5 37.5





#27

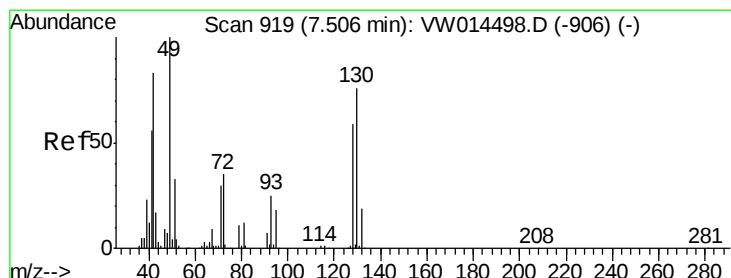
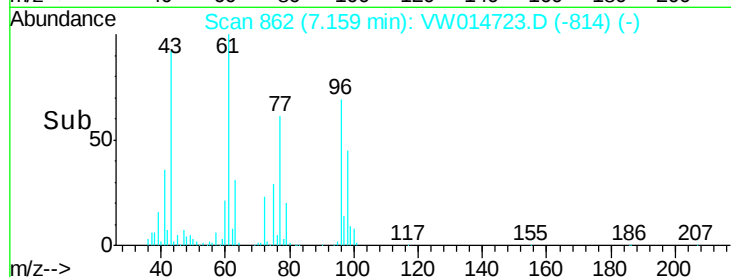
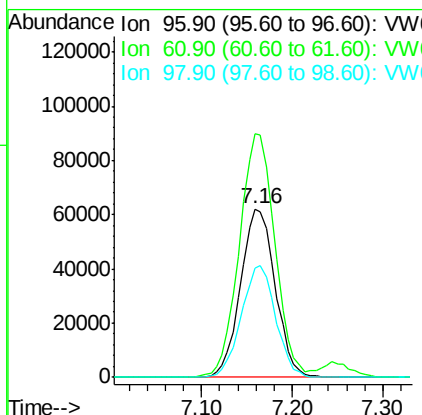
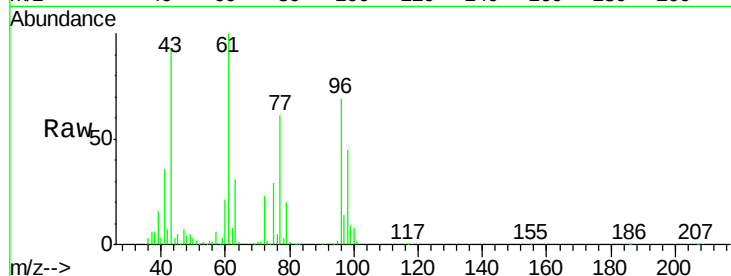
cis-1,2-Dichloroethene  
Concen: 21.993 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 164029 |       |       |
| 61      | 149.1 | 0.0    | 274.8 |       |
| 98      | 65.9  | 0.0    | 128.6 |       |

Manual Integrations  
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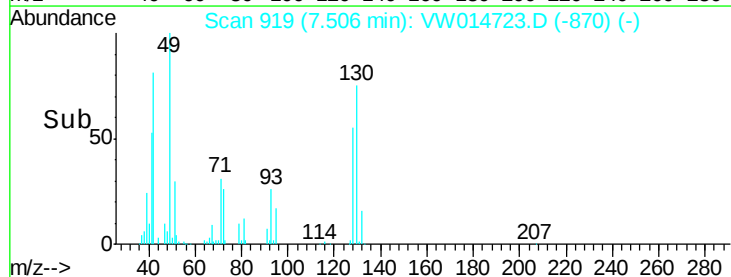
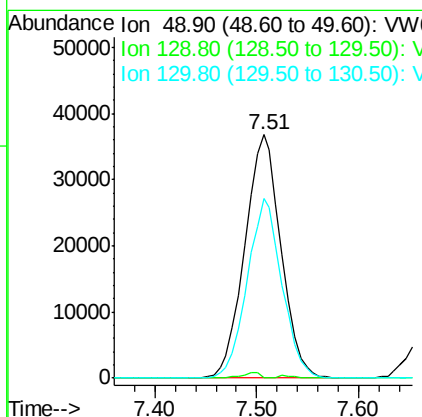
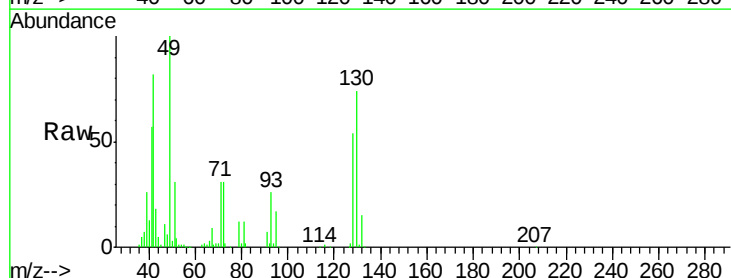
MMDadoda  
1/24/2020 4:02:35 PM

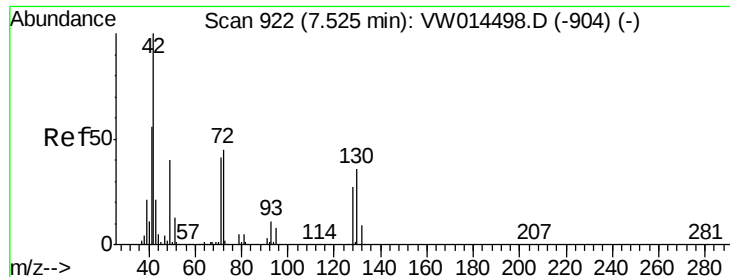


#28

Bromochloromethane  
Concen: 19.155 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 90570 |       |       |
| 129     | 1.0   | 0.0   | 2.0   |       |
| 130     | 70.7  | 62.5  | 93.7  |       |





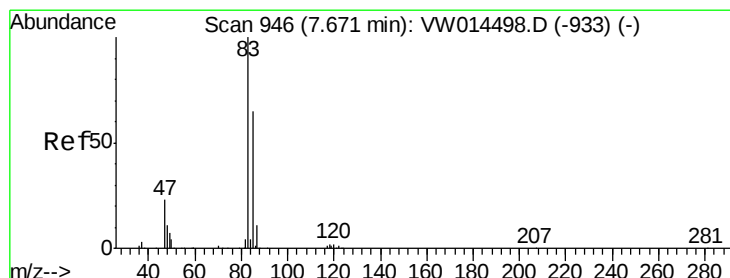
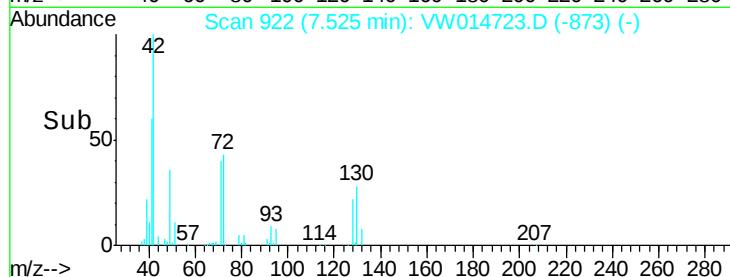
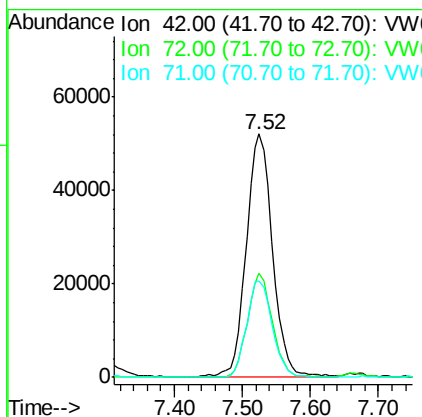
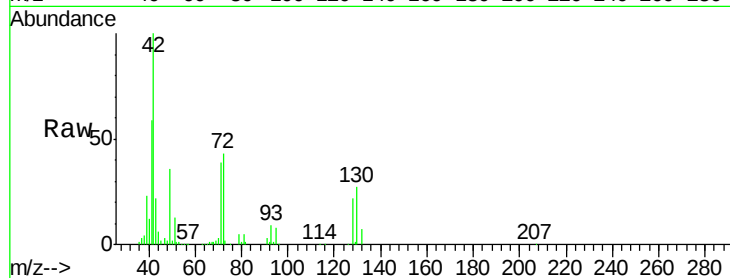
#29  
Tetrahydrofuran  
Concen: 105.674 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 42      | 42  | 100   | 139321 |       |       |
| 72      | 72  | 40.8  |        | 34.5  | 51.7  |
| 71      | 71  | 39.1  |        | 32.0  | 48.0  |

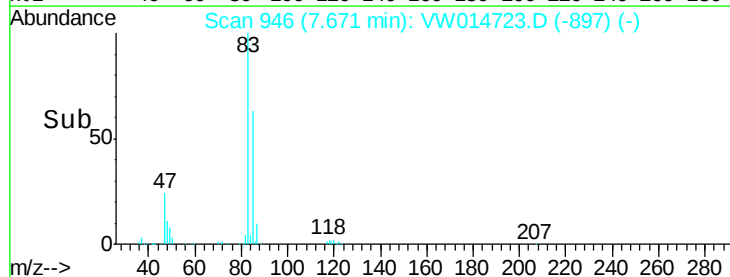
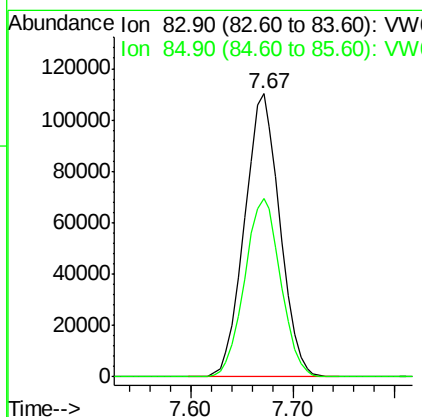
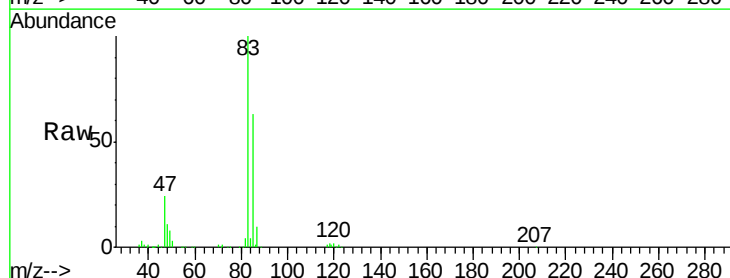
Manual Integrations  
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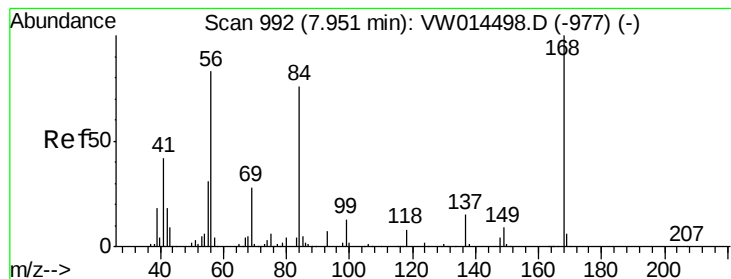
MMDadoda  
1/24/2020 4:02:35 PM



#30  
Chloroform  
Concen: 23.519 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 83      | 83  | 100   | 265259 |       |       |
| 85      | 85  | 62.9  |        | 52.2  | 78.2  |





#31

Cyclohexane

Concen: 22.788 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

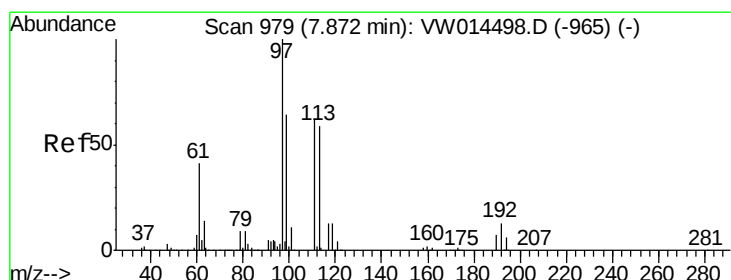
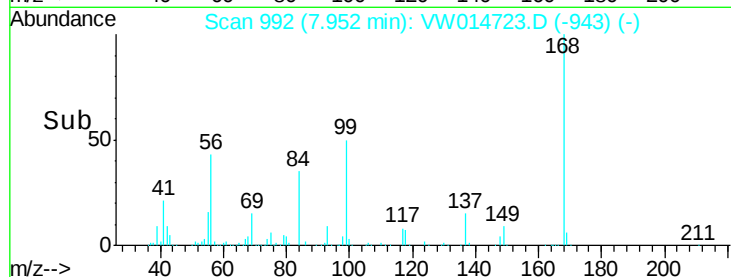
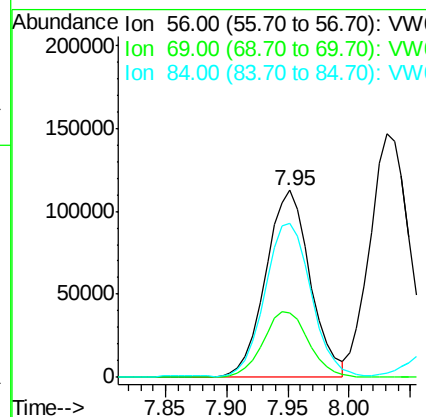
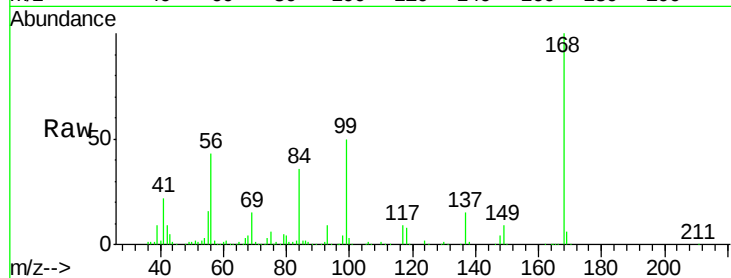
ClientSampleId :

VW0123SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 285624 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 34.3  | 26.8  | 40.2   |
| 84        | 81.1  | 71.8  | 107.6  |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 24.022 ug/l

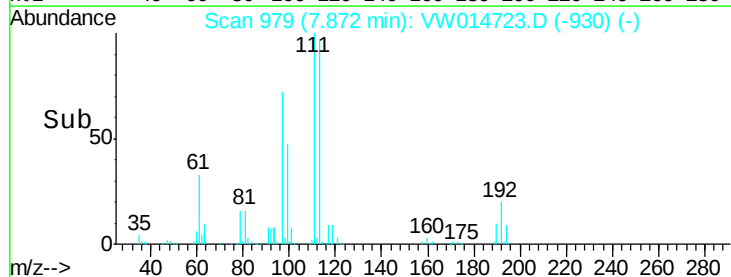
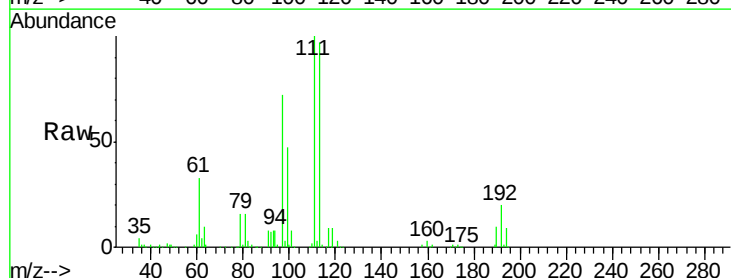
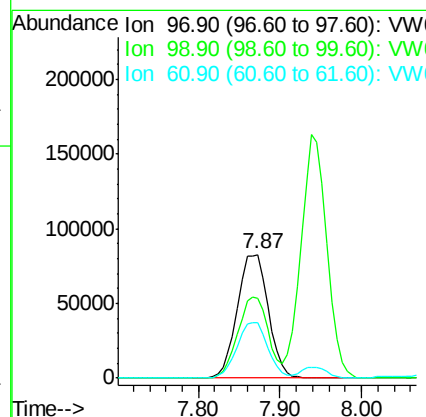
RT: 7.87 min Scan# 979

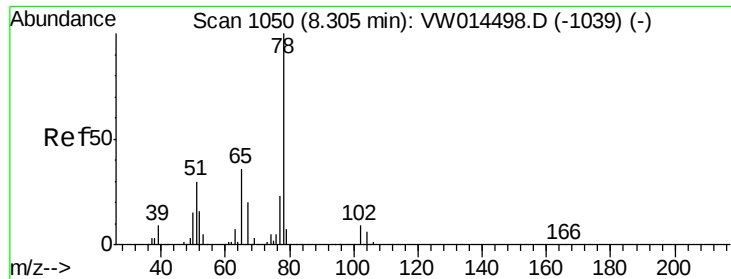
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 217896 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.6  | 51.8  | 77.6   |
| 61        | 44.9  | 33.8  | 50.8   |





#33

1,2-Dichloroethane-d4

Concen: 50.540 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 65 Resp: 296817

Ion Ratio Lower Upper

65 100

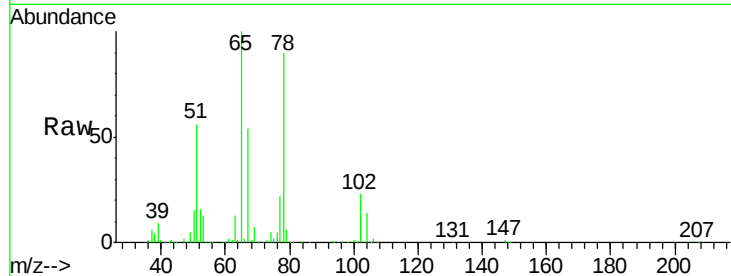
67 53.3 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

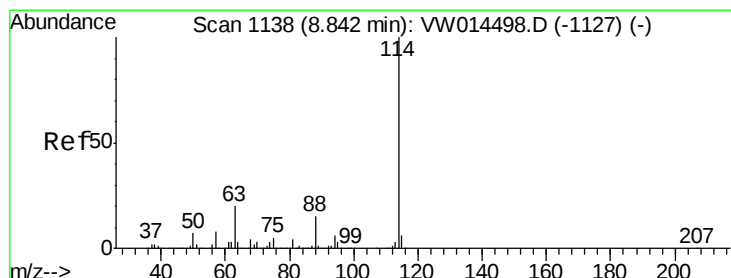
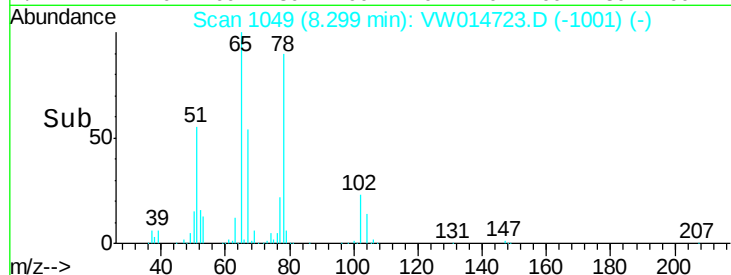
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

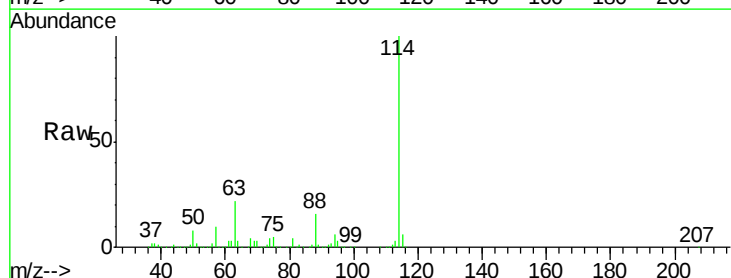
Tgt Ion: 114 Resp: 993159

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.4

88 16.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

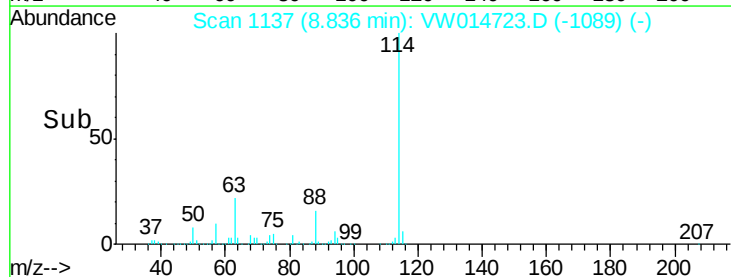
600000

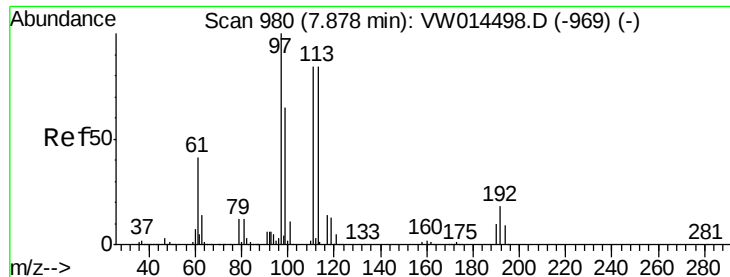
400000

200000

0

Time-->





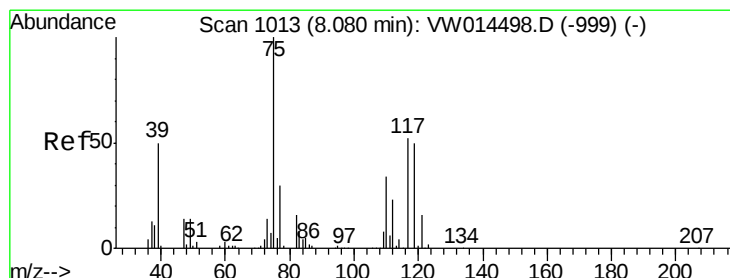
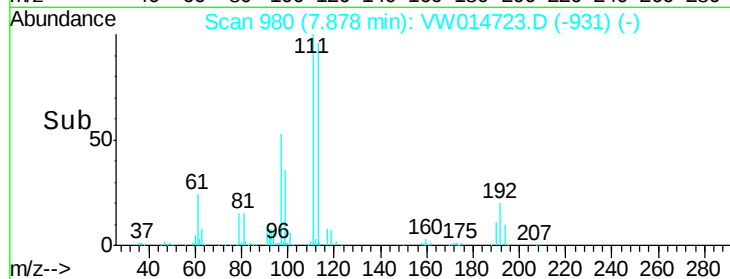
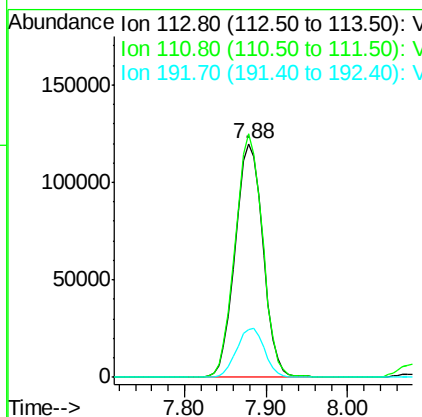
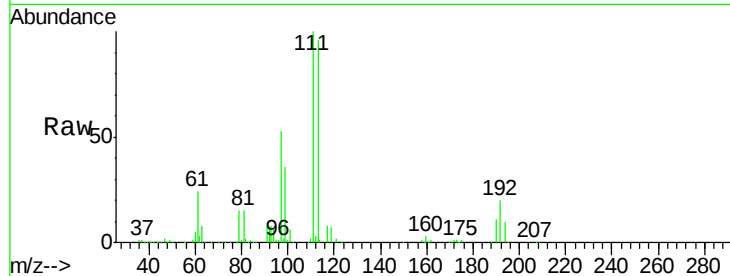
#35  
 Dibromofluoromethane  
 Concen: 49.860 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 283011 |       |       |
| 111     | 102.4 | 81.4   | 122.2 |       |
| 192     | 21.2  | 17.8   | 26.8  |       |

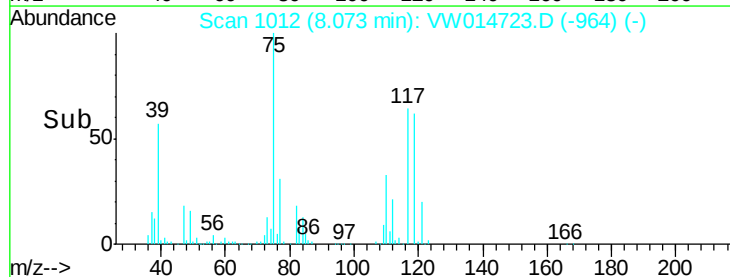
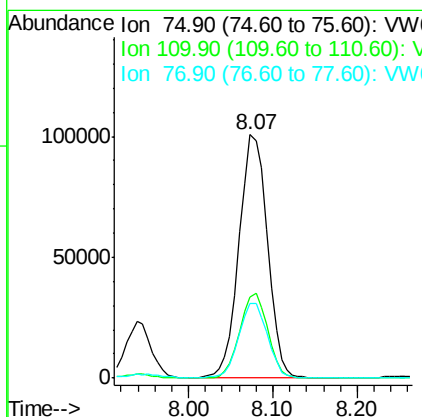
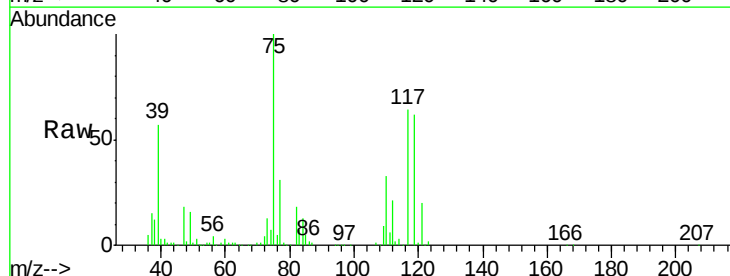
Manual Integrations  
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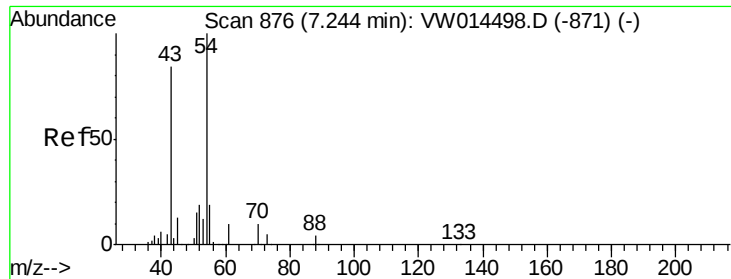
MMDadoda  
 1/24/2020 4:02:35 PM



#36  
 1,1-Dichloropropene  
 Concen: 23.914 ug/l  
 RT: 8.07 min Scan# 1012  
 Delta R.T. -0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 228969 |       |       |
| 110     | 34.4  | 17.8   | 53.5  |       |
| 77      | 31.3  | 24.7   | 37.1  |       |





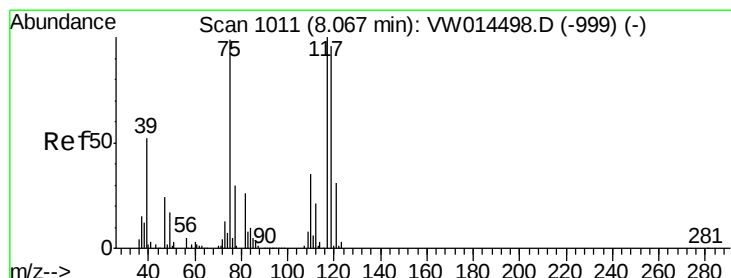
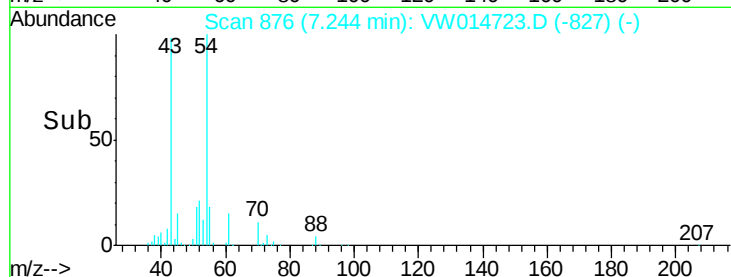
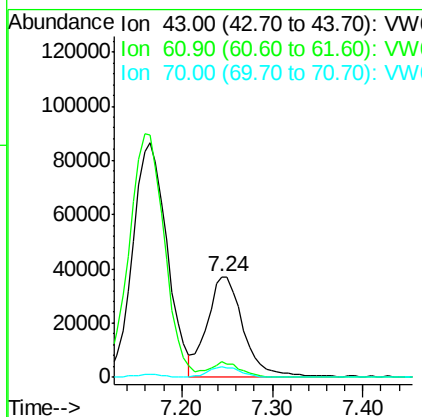
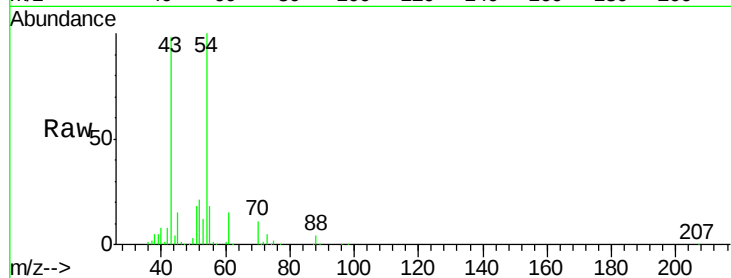
#37  
Ethyl Acetate  
Concen: 23.414 ug/l  
RT: 7.24 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.1  | 11.7  | 17.5  |
| 70      | 9.8   | 9.0   | 13.6  |

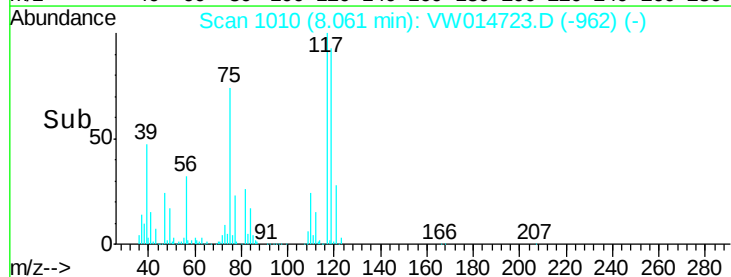
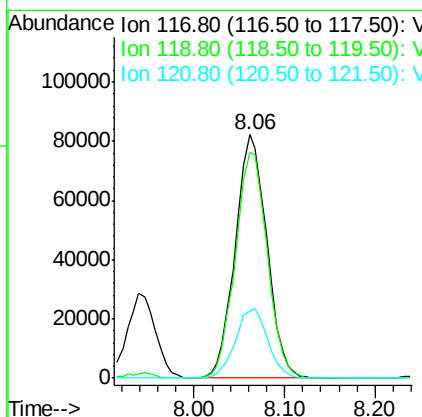
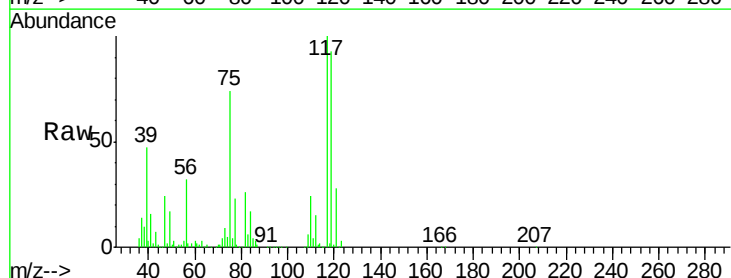
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 23.955 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.0  | 77.0  | 115.6 |
| 121     | 27.7  | 24.6  | 36.8  |





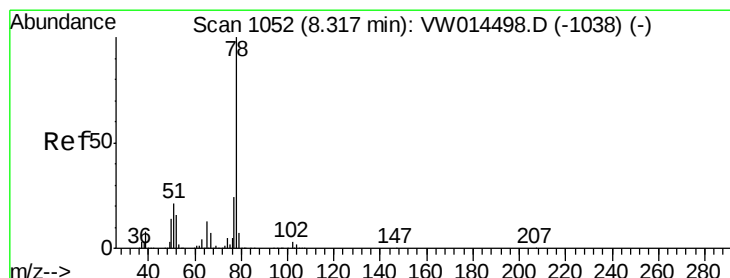
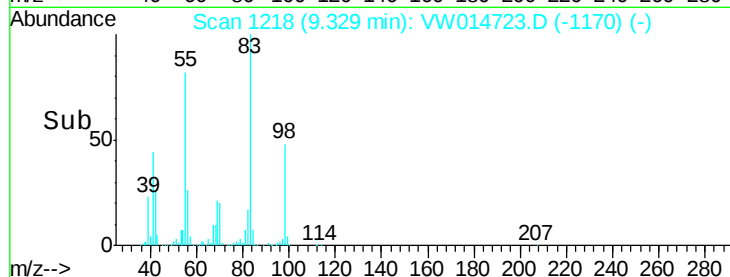
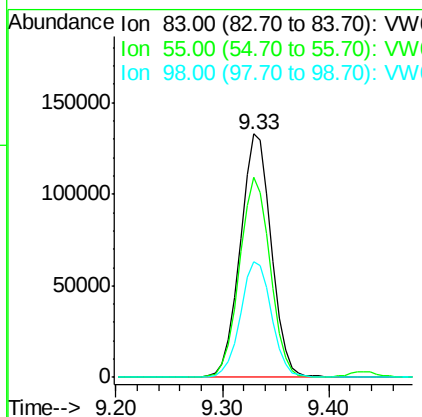
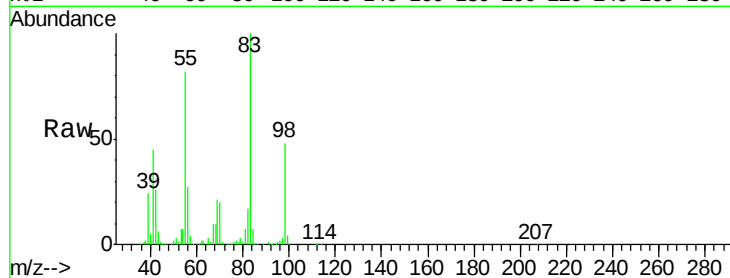
#39  
Methvlcvclohexane  
Concen: 22.177 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 272491 |       |       |
| 55      | 82.3  |        | 60.1  | 90.1  |
| 98      | 47.5  |        | 38.8  | 58.2  |

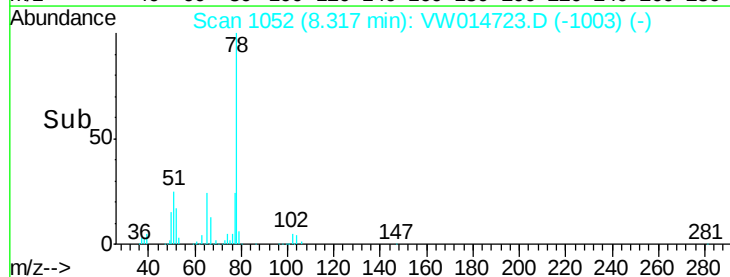
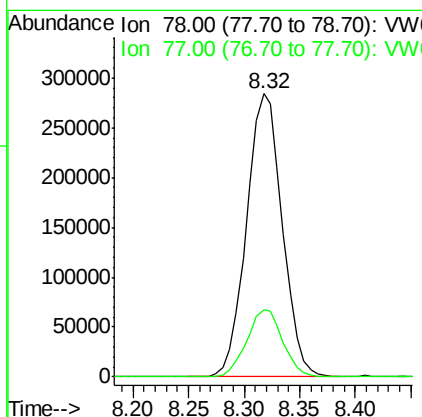
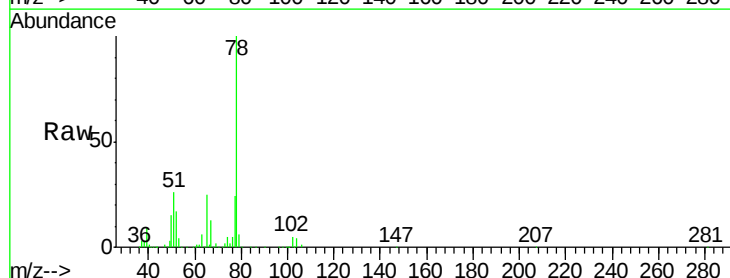
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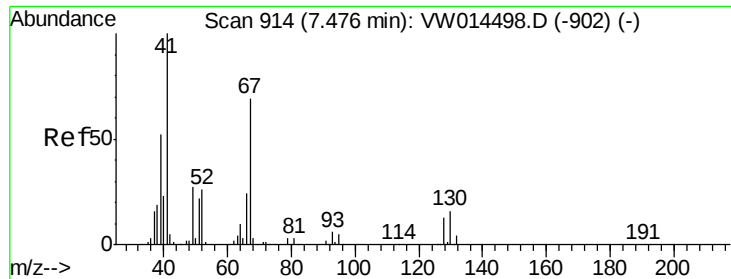
MMDadoda  
1/24/2020 4:02:35 PM



#40  
Benzene  
Concen: 23.443 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 635054 |       |       |
| 77      | 23.9  |        | 19.3  | 28.9  |





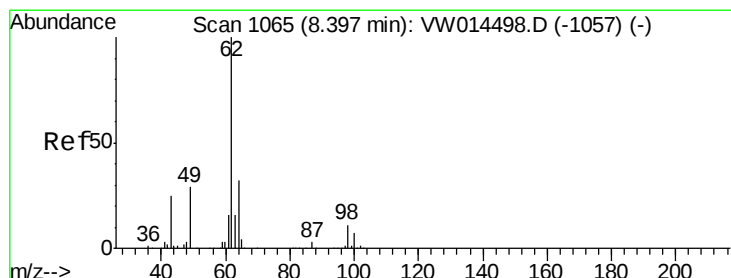
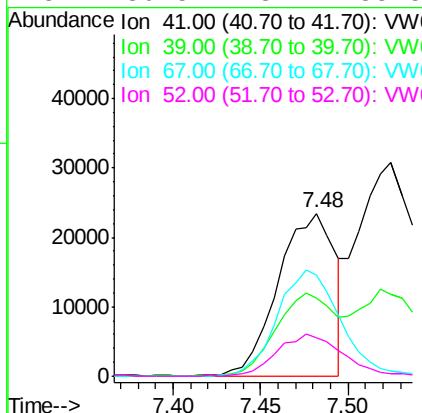
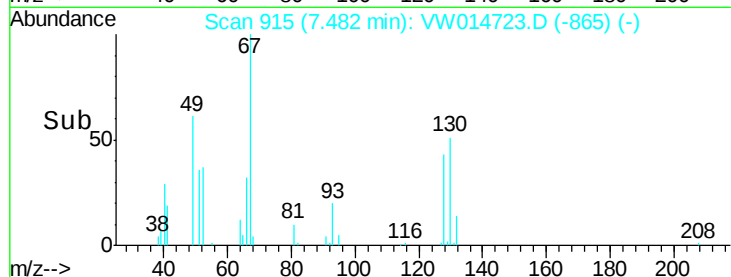
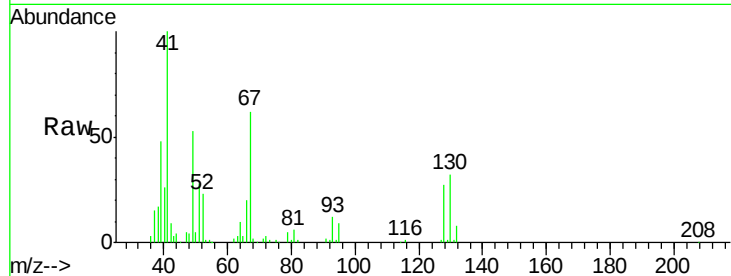
#41  
Methacrylonitrile  
Concen: 21.900 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 53010 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.1  | 46.0  | 69.0  |
| 67       | 73.2  | 60.8  | 91.2  |
| 52       | 30.5  | 23.7  | 35.5  |

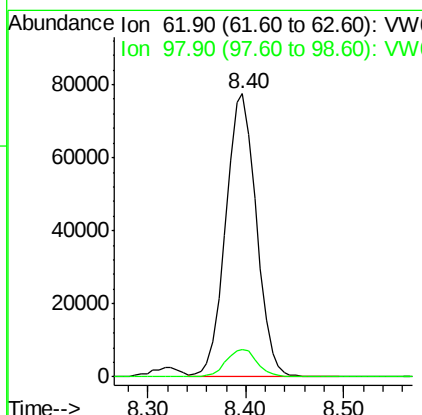
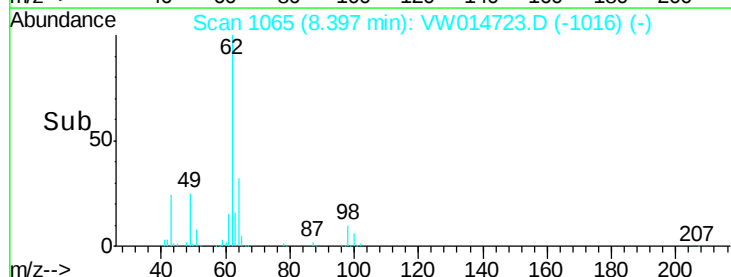
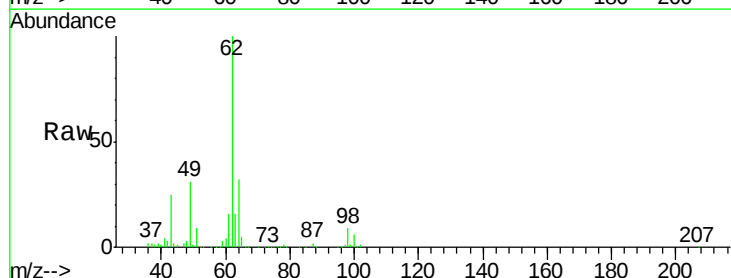
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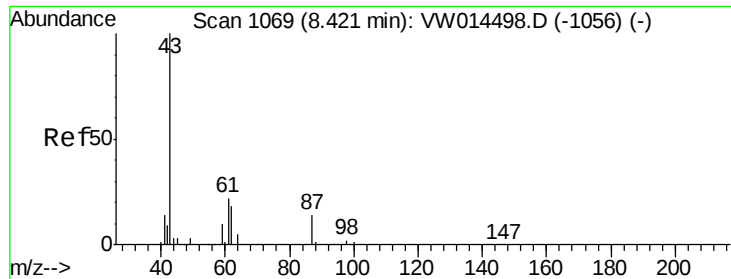
MMDadoda  
1/24/2020 4:02:35 PM



#42  
1,2-Dichloroethane  
Concen: 23.973 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 168533 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.8   | 0.0   | 22.0   |





#43

Isopropyl Acetate

Concen: 22.151 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

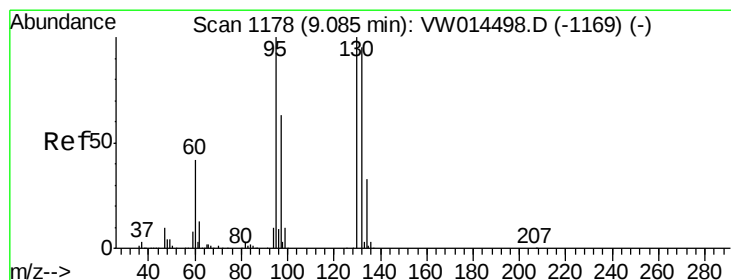
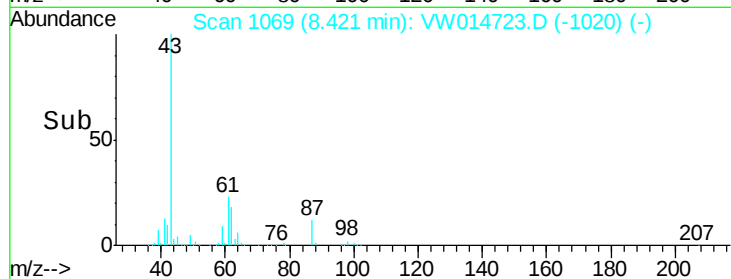
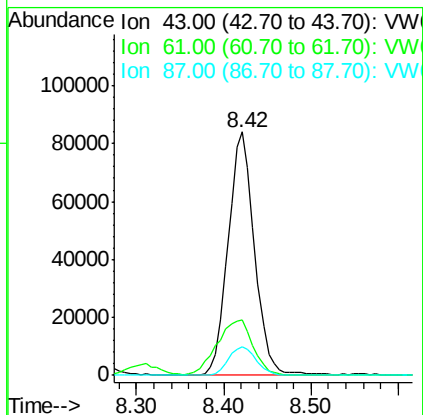
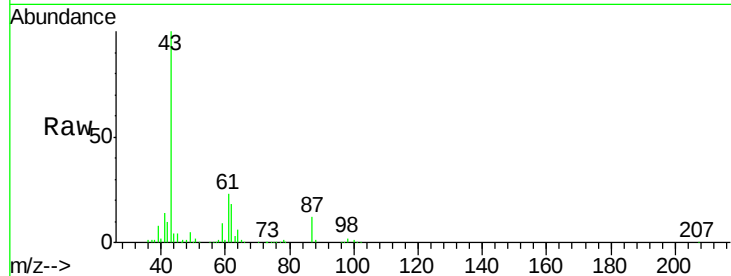
ClientSampleId :

VW0123SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 174666 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 30.9  | 24.7  | 37.1   |
| 87       | 12.5  | 11.1  | 16.7   |

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#44

Trichloroethene

Concen: 22.571 ug/l

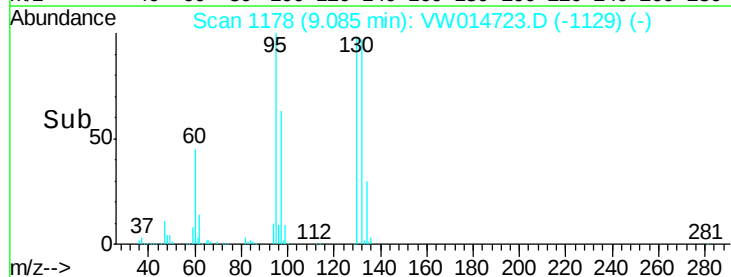
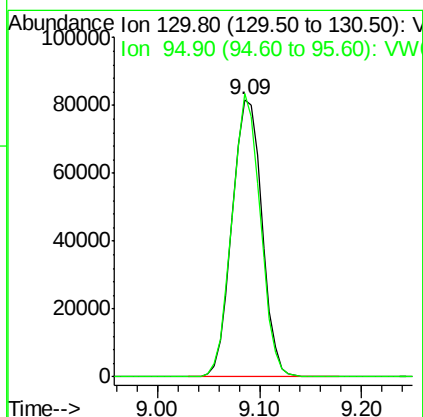
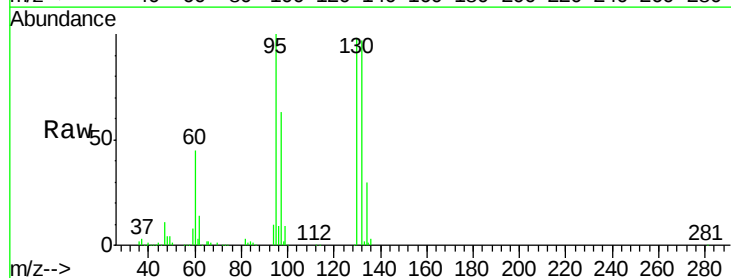
RT: 9.09 min Scan# 1178

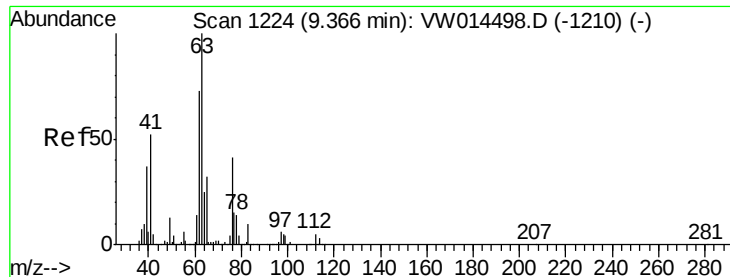
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 165450 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 102.2 | 0.0   | 199.4  |





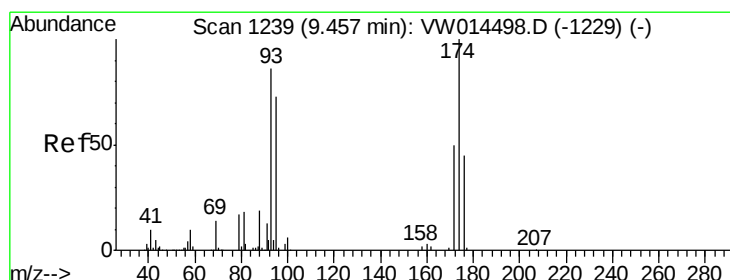
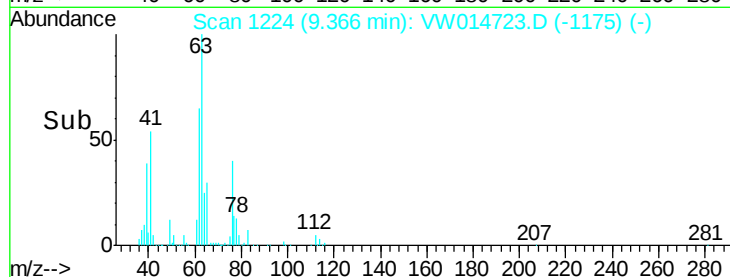
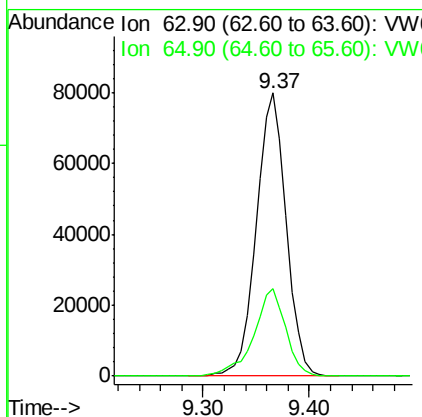
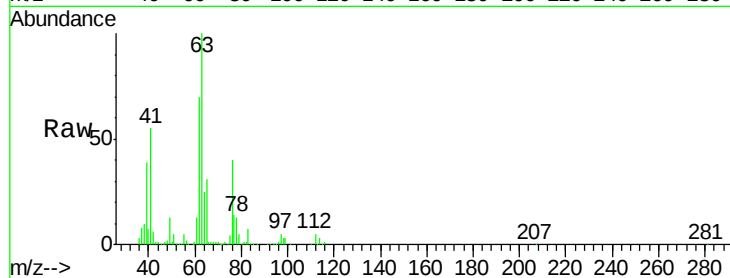
#45  
 1,2-Dichloropropane  
 Concen: 23.587 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.0  | 25.6  | 38.4  |

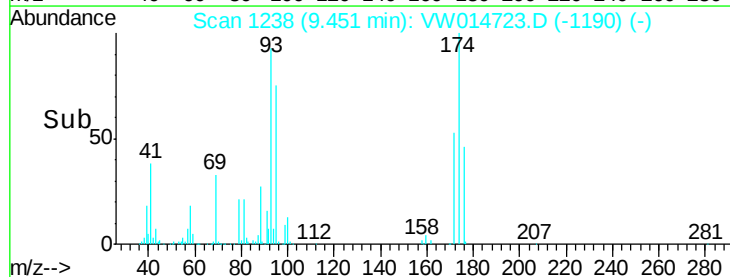
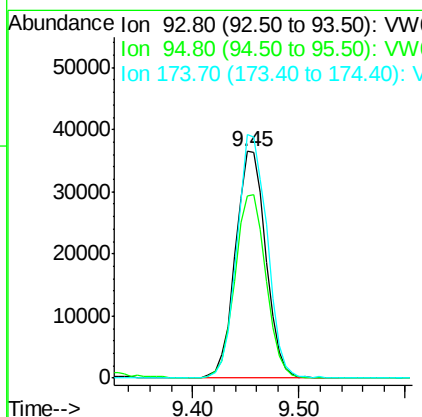
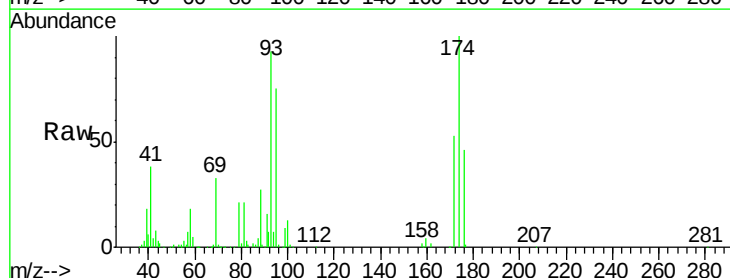
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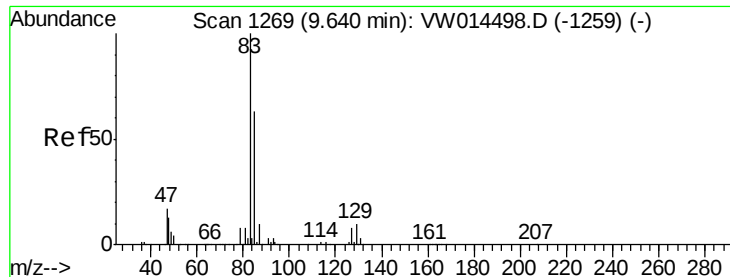
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 22.338 ug/l  
 RT: 9.45 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.6  | 66.4  | 99.6  |
| 174     | 106.7 | 89.1  | 133.7 |





#47

Bromodichloromethane

Concen: 23.181 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

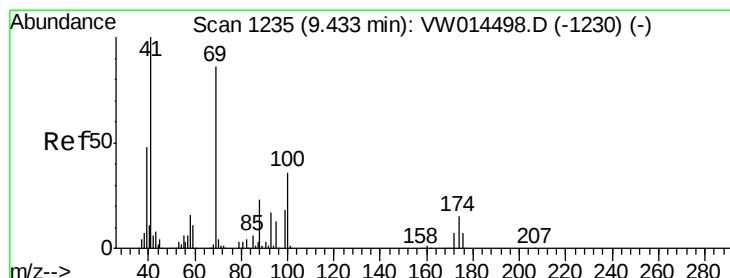
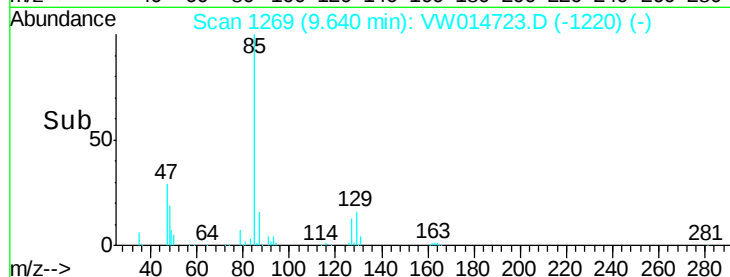
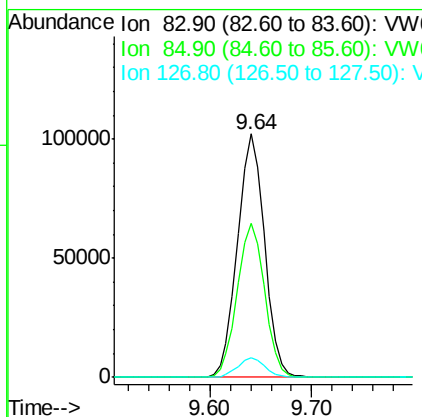
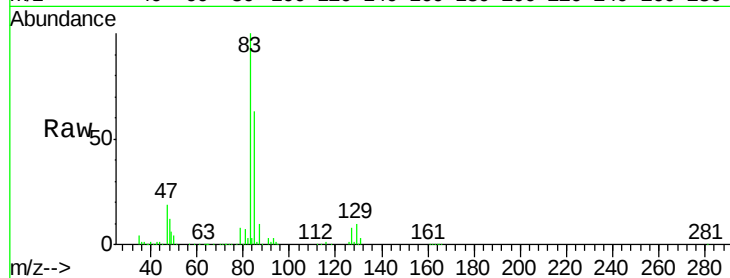
ClientSampleId :

VW0123SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 187812 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.3  | 50.6  | 76.0   |
| 127       | 8.2   | 6.6   | 9.8    |

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#48

Methyl methacrylate

Concen: 21.028 ug/l

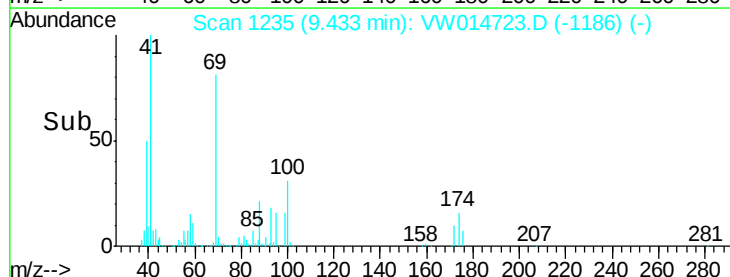
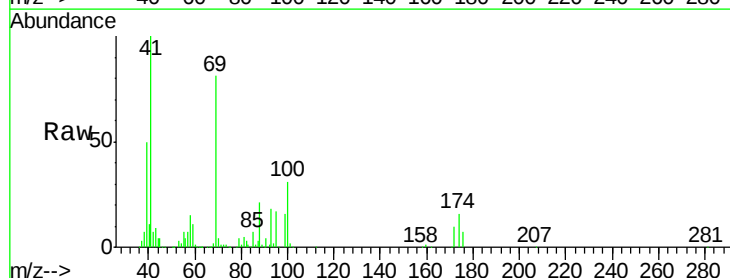
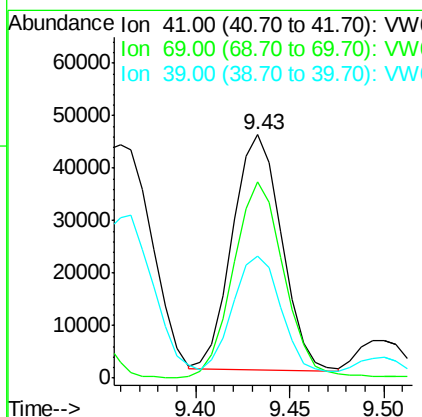
RT: 9.43 min Scan# 1235

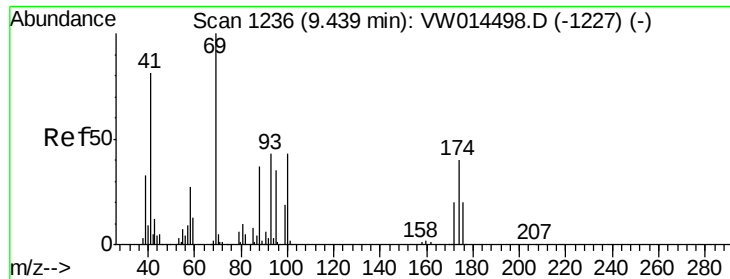
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 80955 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 85.7  | 68.3  | 102.5 |
| 39        | 48.3  | 36.8  | 55.2  |





#49

1,4-Dioxane

Concen: 426.547 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

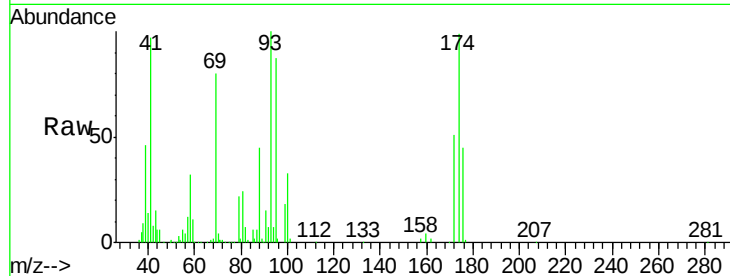
ClientSampleId :

VW0123SBSD01

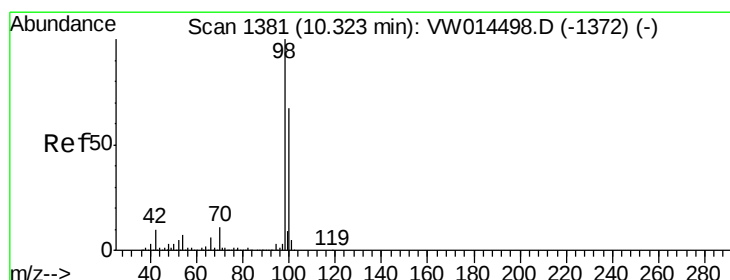
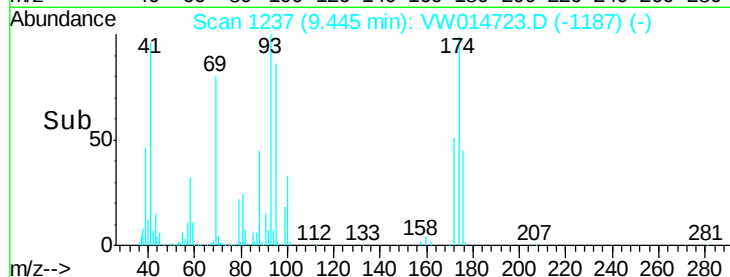
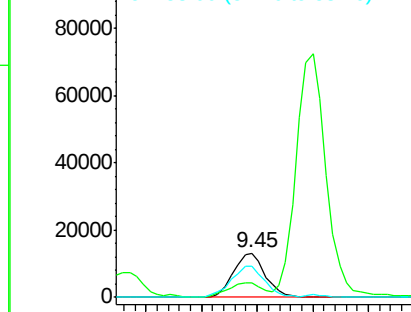
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 26181 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 32.9  | 24.9  | 37.3  |
| 58       | 75.1  | 56.9  | 85.3  |

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Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.074 ug/l

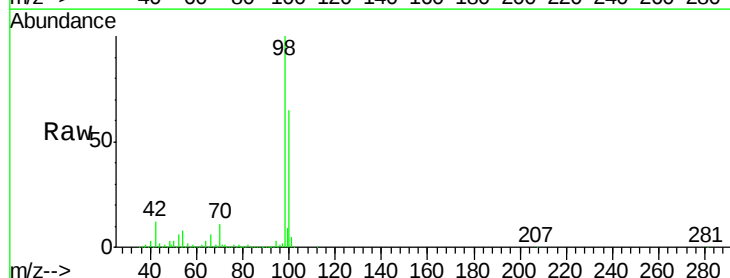
RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

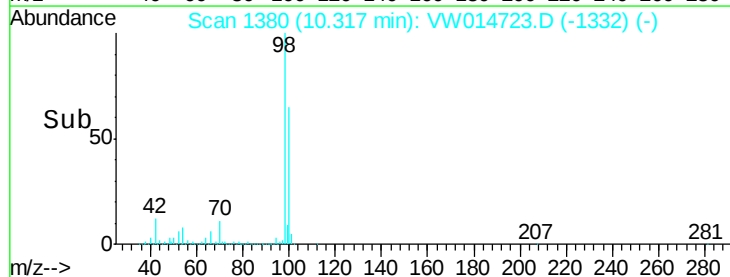
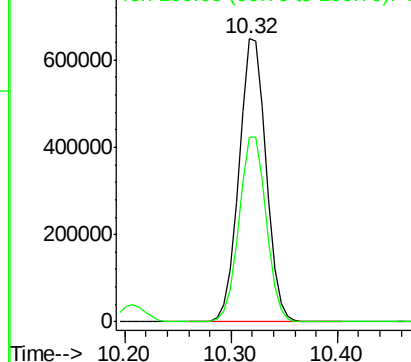
Lab File: VW014723.D

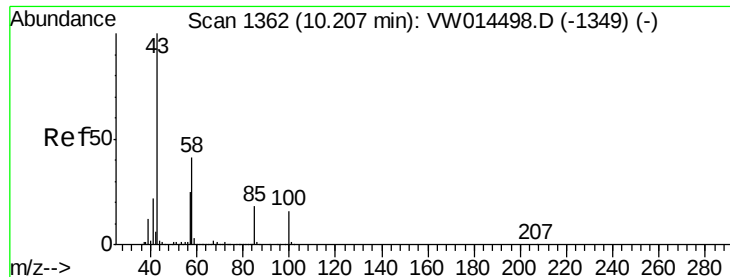
Acq: 23 Jan 2020 14:03

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 98    | Resp: | 1162459 |
| Ion      | Ratio | Lower | Upper   |
| 98       | 100   |       |         |
| 100      | 65.6  | 53.8  | 80.6    |



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 112.698 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion: 43 Resp: 461478

Ion Ratio Lower Upper

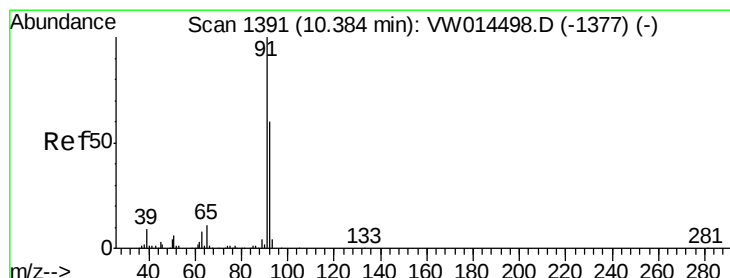
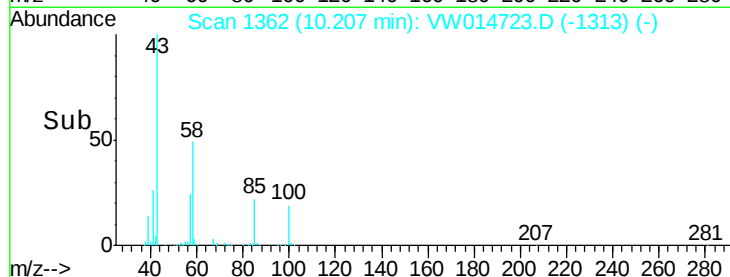
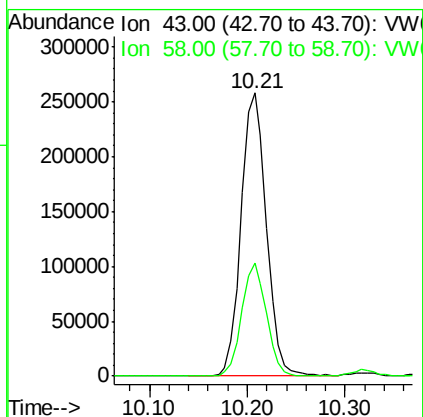
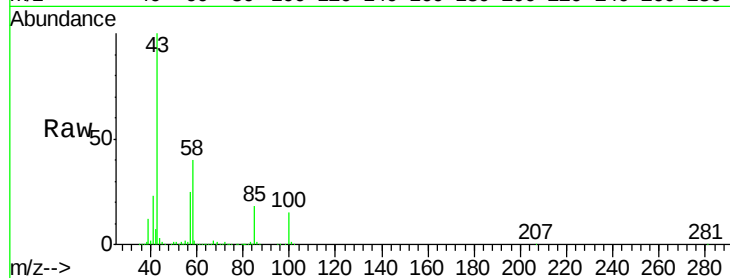
43 100

58 39.1 32.7 49.1

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#52

Toluene

Concen: 23.271 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014723.D

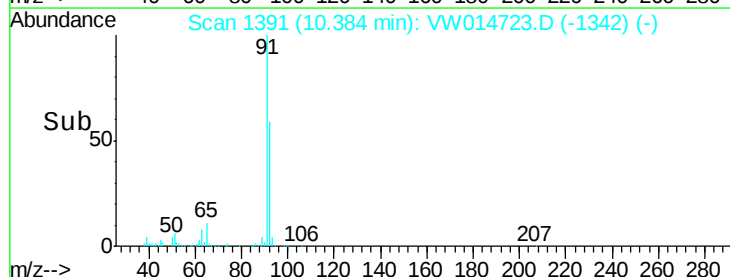
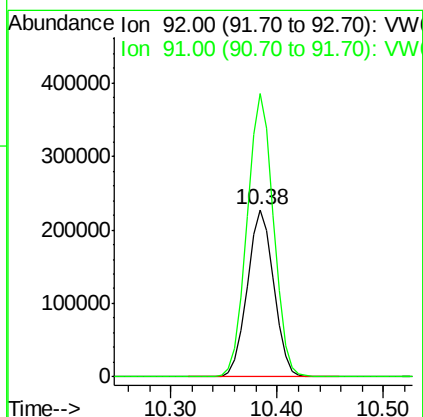
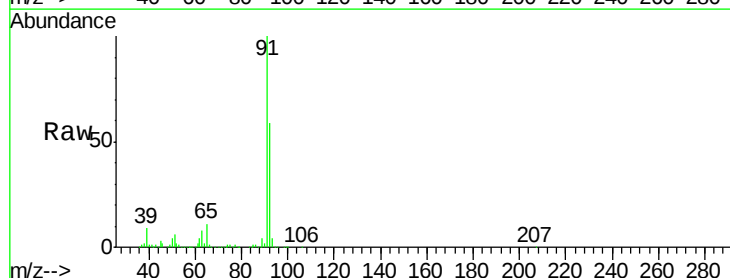
Acq: 23 Jan 2020 14:03

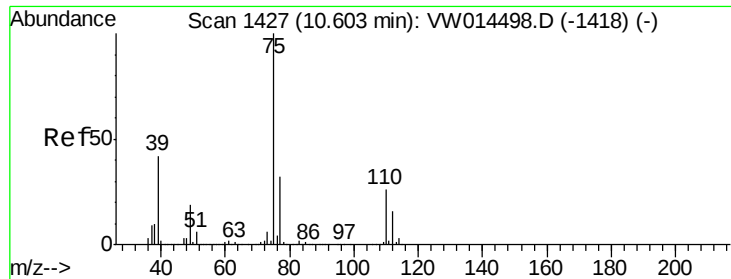
Tgt Ion: 92 Resp: 396591

Ion Ratio Lower Upper

92 100

91 169.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.099 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 75 Resp: 185387

Ion Ratio Lower Upper

75 100

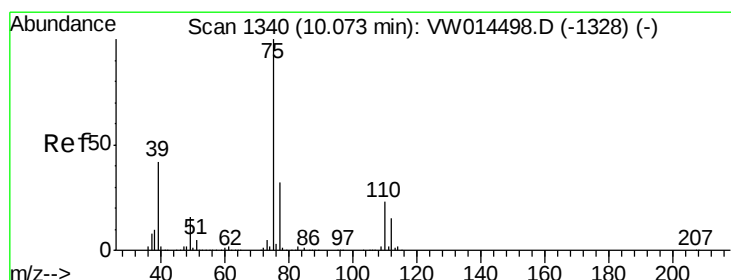
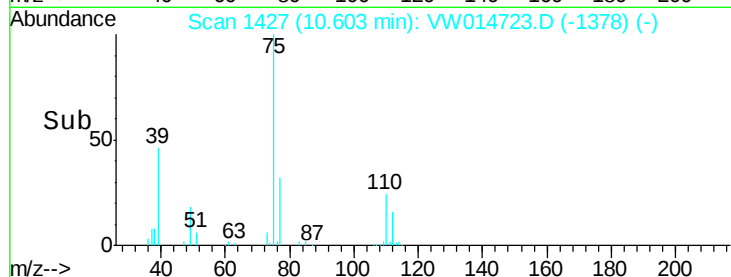
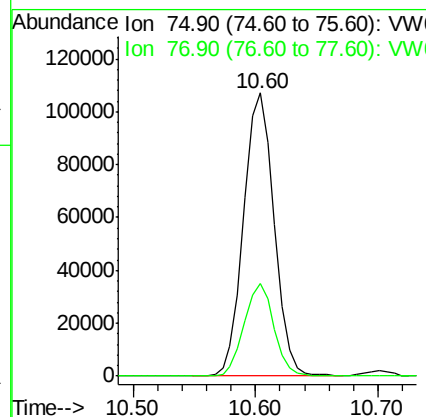
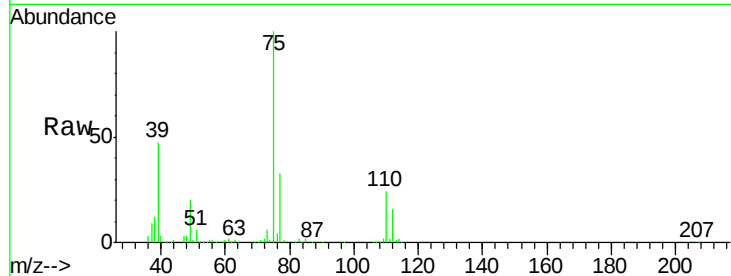
77 32.6 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.409 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

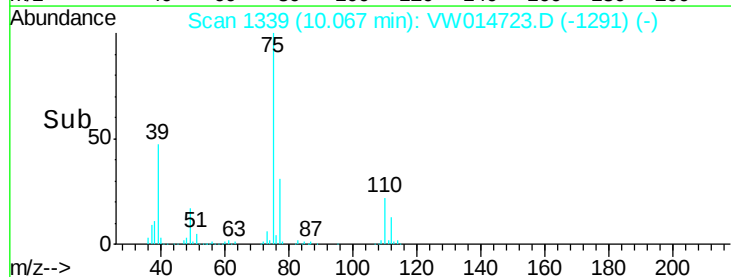
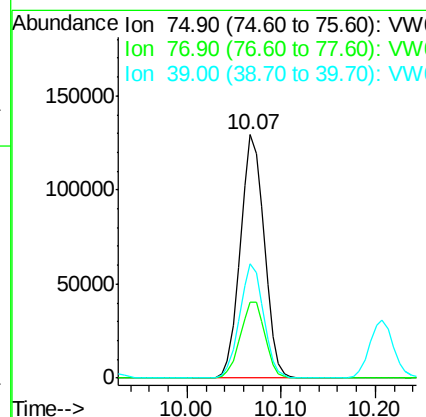
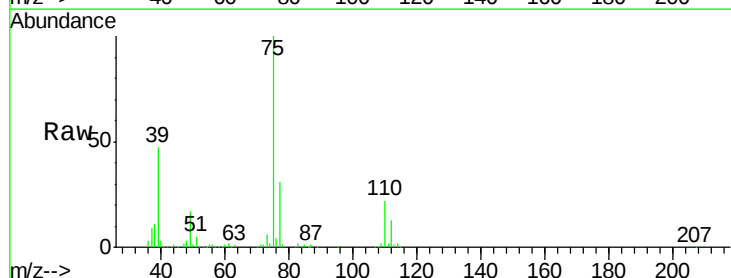
Tgt Ion: 75 Resp: 229752

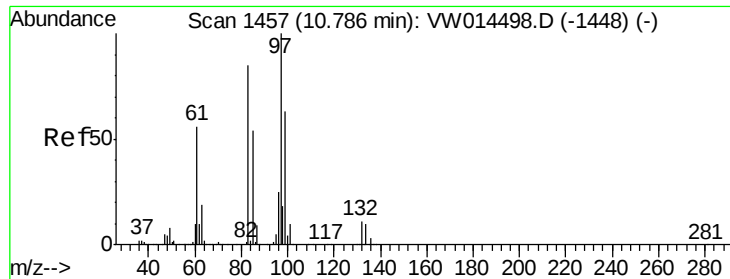
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 47.1 33.4 50.2





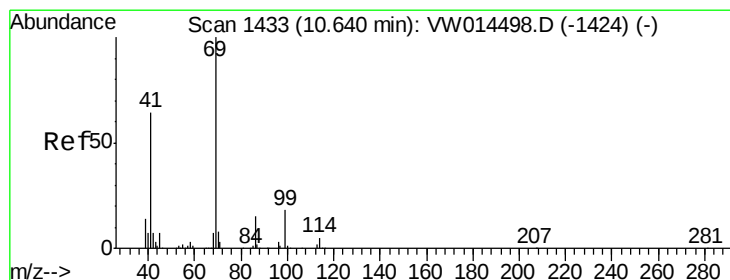
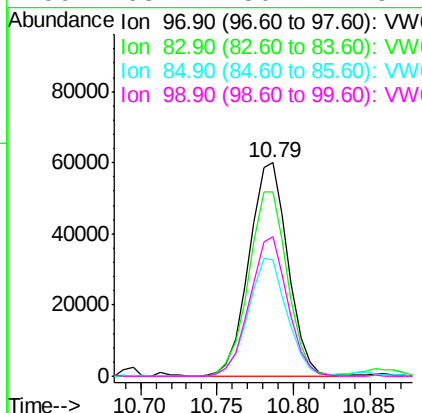
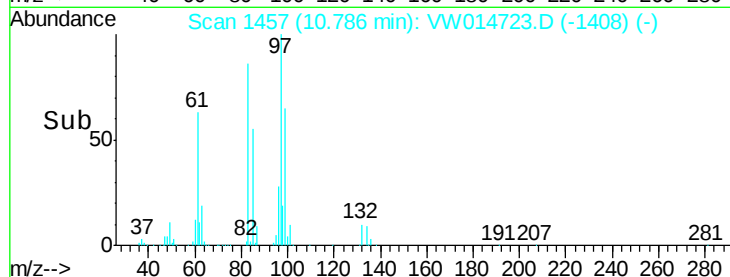
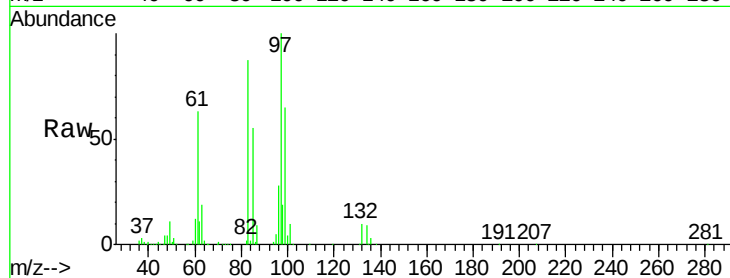
#55  
 1,1,2-Trichloroethane  
 Concen: 22.186 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 106332 |       |       |
| 83      | 86.5 | 68.2  | 102.4  |       |       |
| 85      | 54.7 | 43.0  | 64.4   |       |       |
| 99      | 65.2 | 50.1  | 75.1   |       |       |

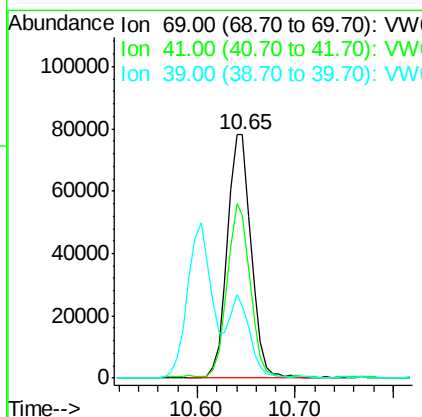
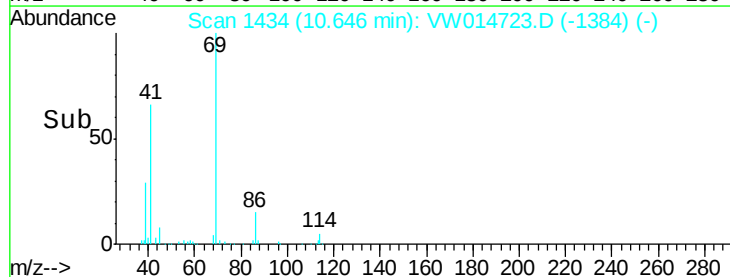
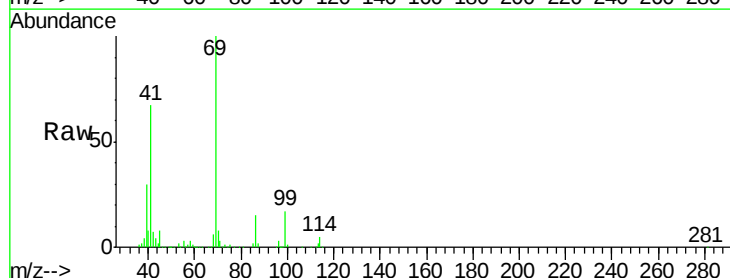
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 21.263 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 132444 |       |       |
| 41      | 67.2 | 51.3  | 76.9   |       |       |
| 39      | 27.3 | 21.0  | 31.6   |       |       |





#57

1,3-Dichloropropane

Concen: 22.441 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion: 76 Resp: 189036

Ion Ratio Lower Upper

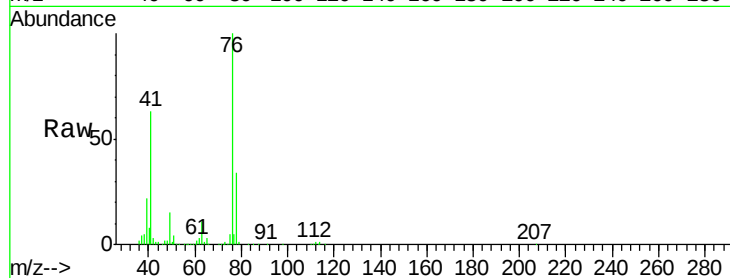
76 100

78 32.5 25.9 38.9

Manual Integrations  
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

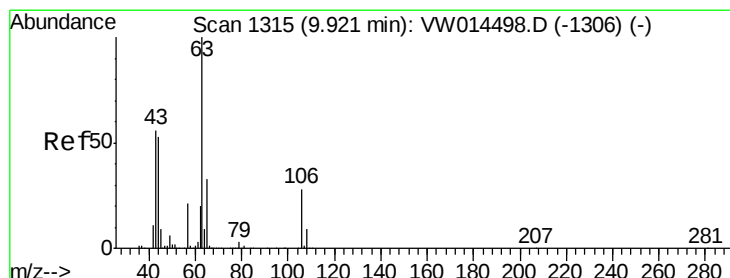
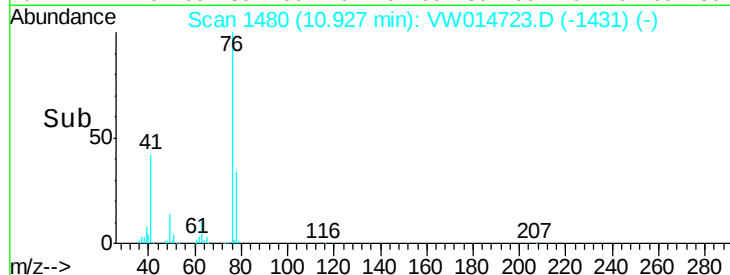
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 109.884 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014723.D

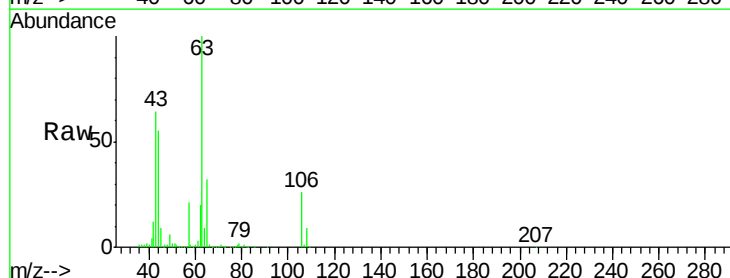
Acq: 23 Jan 2020 14:03

Tgt Ion: 63 Resp: 208161

Ion Ratio Lower Upper

63 100

106 27.1 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

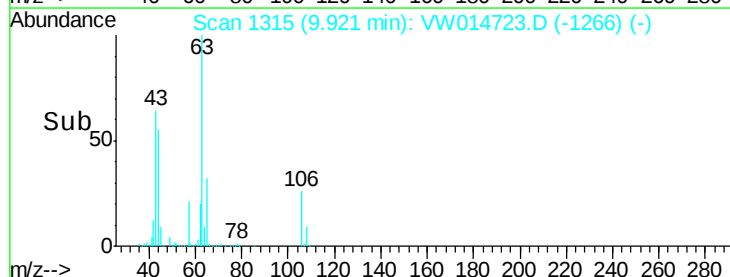
150000

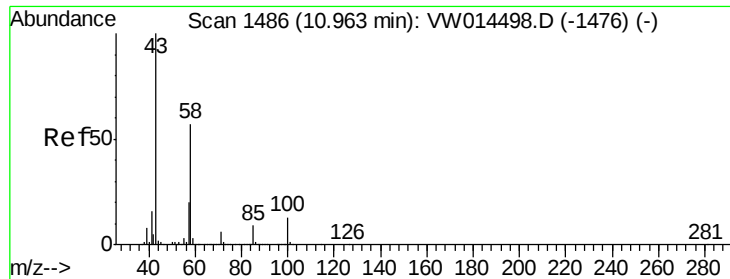
100000

50000

0

Time--> 9.80 9.90 10.00





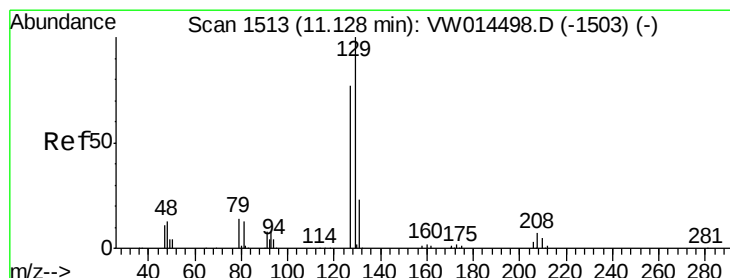
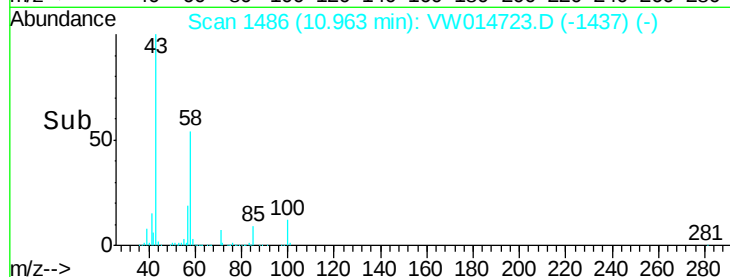
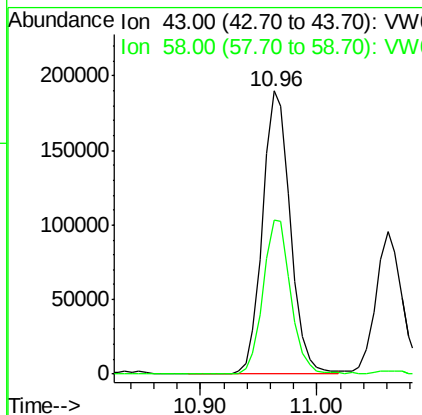
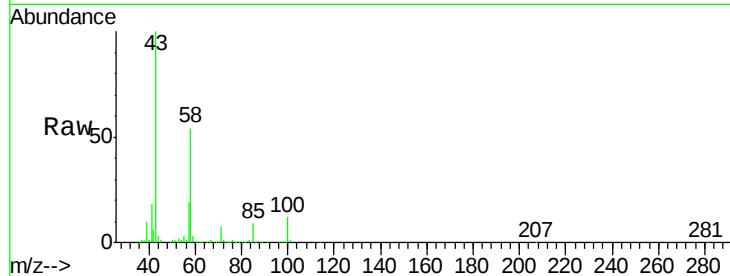
#59  
2-Hexanone  
Concen: 112.167 ug/l  
RT: 10.96 min Scan# 1486  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

Tot Ion: 43 Resp: 316500  
Ion Ratio Lower Upper  
43 100  
58 54.4 28.7 86.3

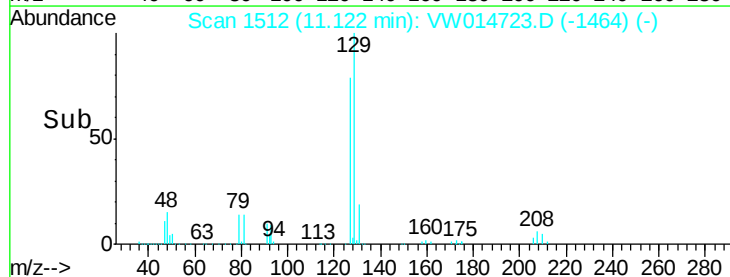
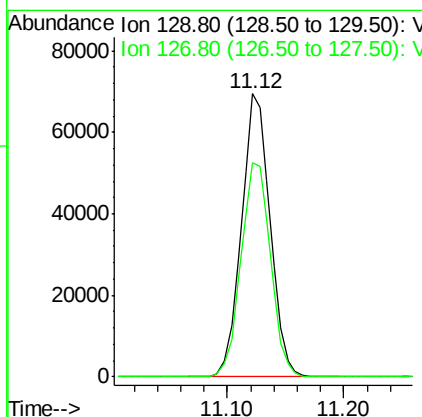
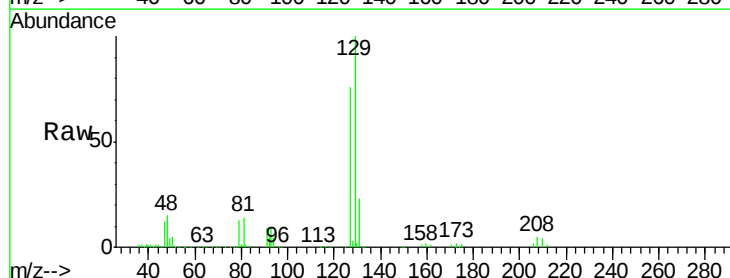
Manual Integrations  
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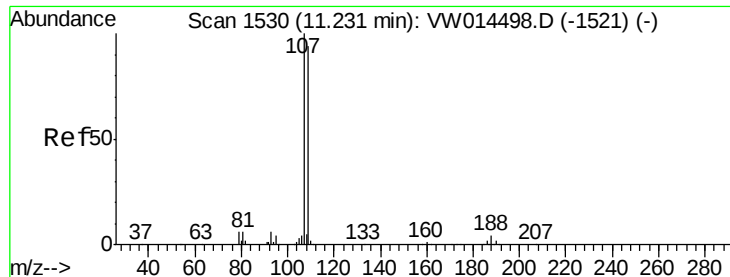
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 22.017 ug/l  
RT: 11.12 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Tgt Ion: 129 Resp: 119061  
Ion Ratio Lower Upper  
129 100  
127 78.2 38.1 114.5





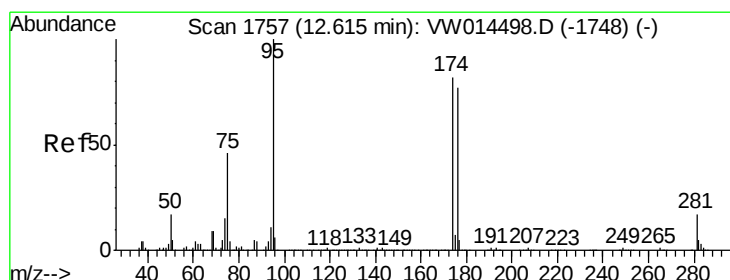
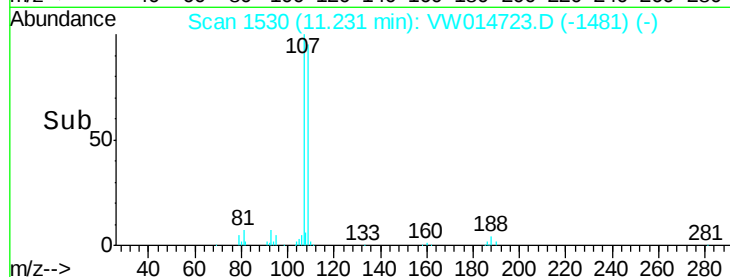
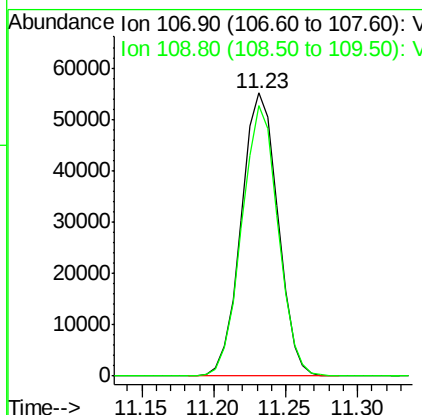
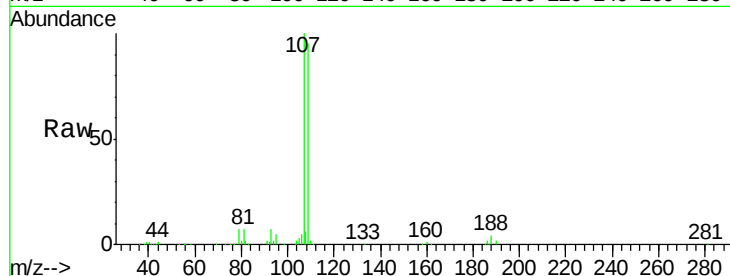
#61  
 1,2-Dibromoethane  
 Concen: 21.386 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBSD01

Tot Ion: 107 Resp: 97296  
 Ion Ratio Lower Upper  
 107 100  
 109 94.5 75.1 112.7

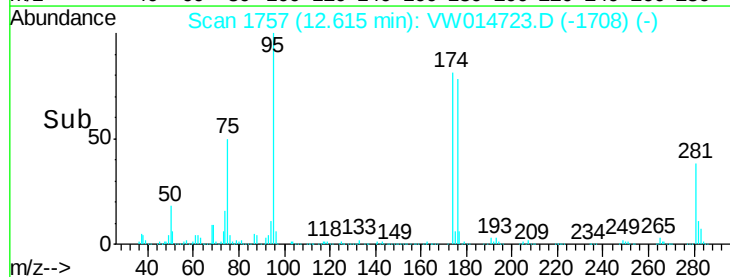
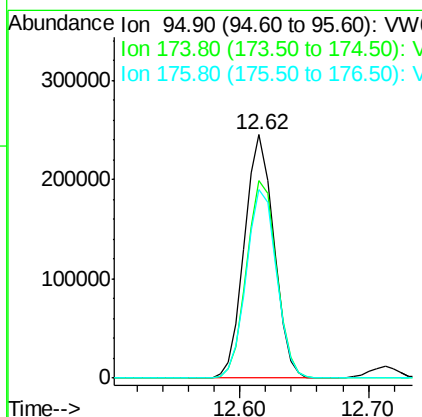
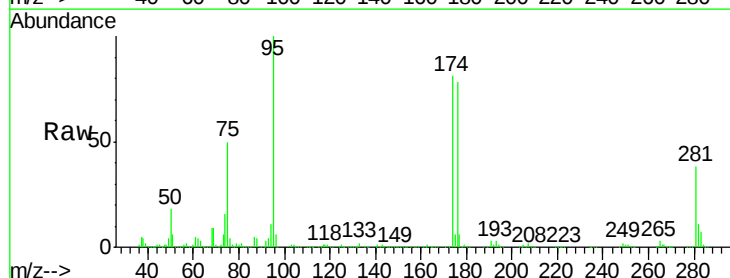
Manual Integrations  
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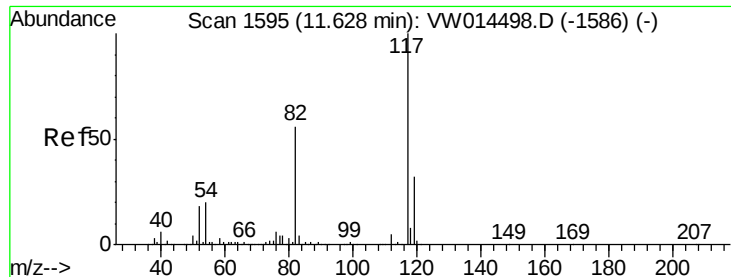
MMDadoda  
 1/24/2020 4:02:35 PM



#62  
 4-Bromofluorobenzene  
 Concen: 48.171 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Tgt Ion: 95 Resp: 387033  
 Ion Ratio Lower Upper  
 95 100  
 174 82.4 0.0 168.6  
 176 79.3 0.0 162.0





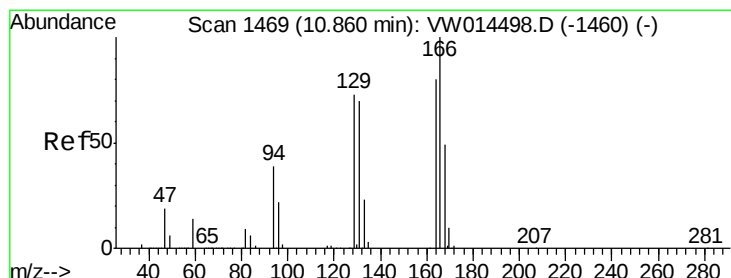
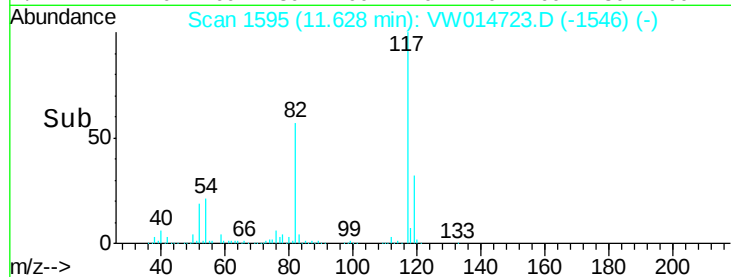
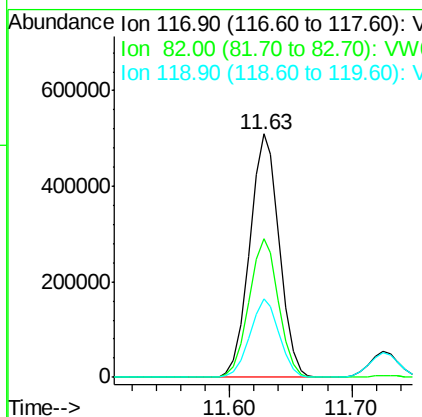
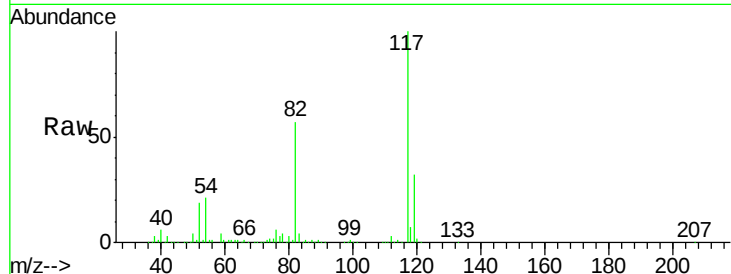
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 44.6  | 67.0  |
| 119     | 32.3  | 25.7  | 38.5  |

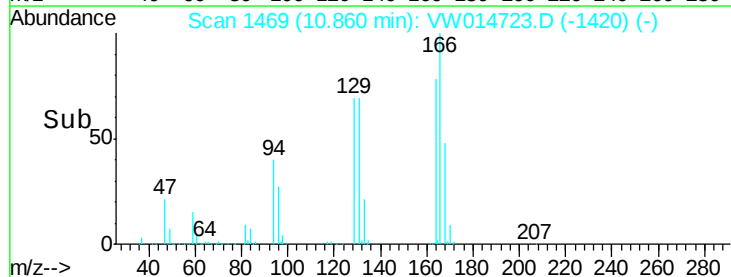
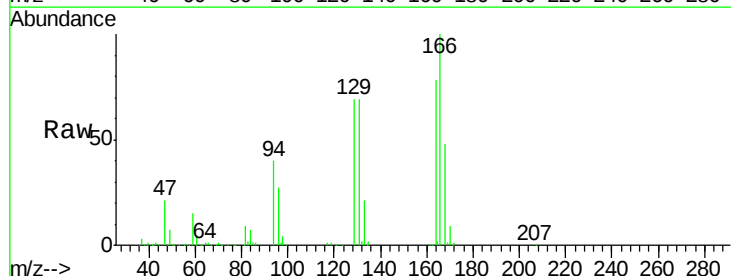
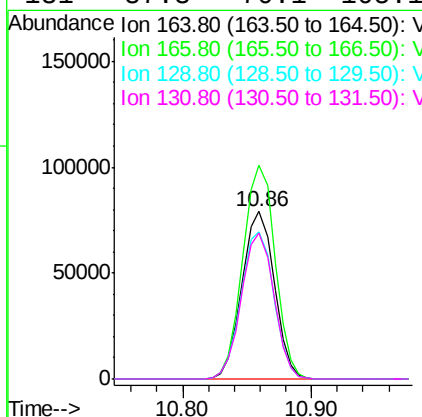
Manual Integrations  
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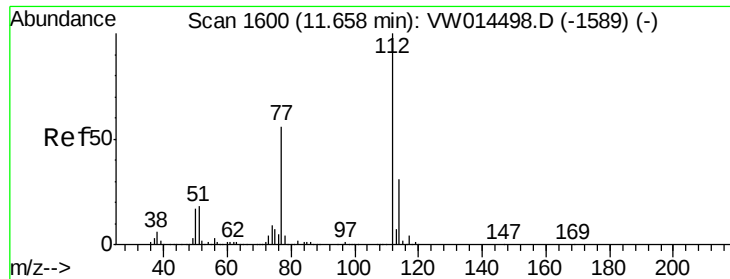
MMDadoda  
1/24/2020 4:02:35 PM



#64  
Tetrachloroethene  
Concen: 22.213 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.4 | 99.8  | 149.6 |
| 129     | 87.4  | 72.4  | 108.6 |
| 131     | 87.3  | 70.1  | 105.1 |





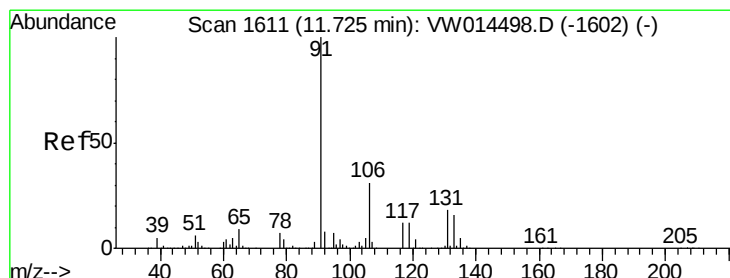
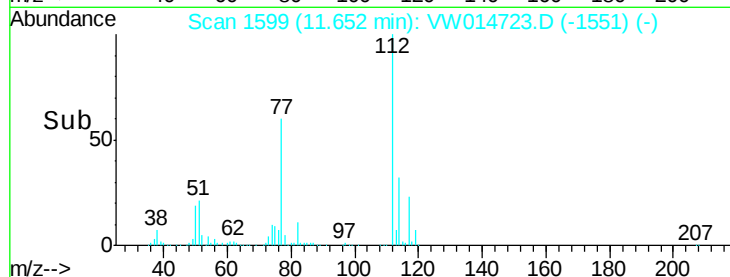
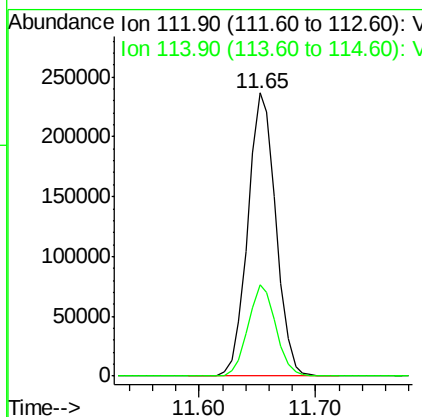
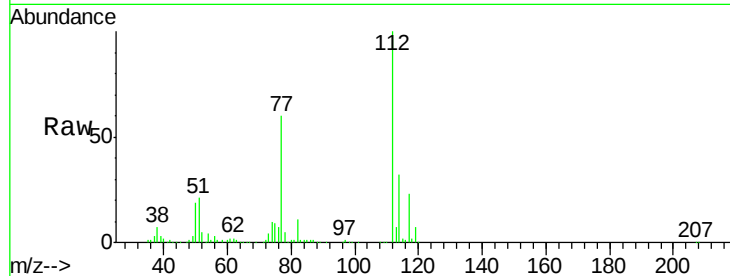
#65  
Chlorobenzene  
Concen: 22.566 ug/l  
RT: 11.65 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

Tot Ion:112 Resp: 395914  
Ion Ratio Lower Upper  
112 100  
114 32.4 24.6 37.0

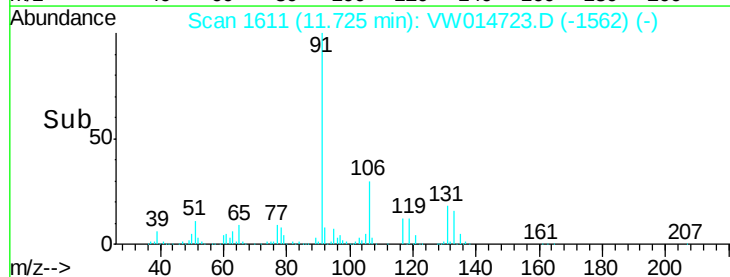
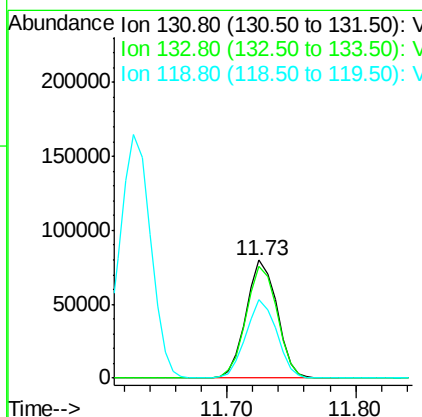
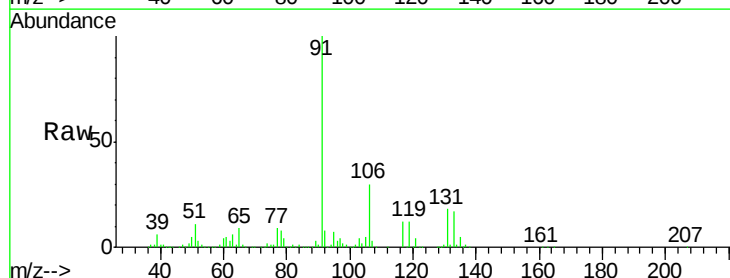
Manual Integrations  
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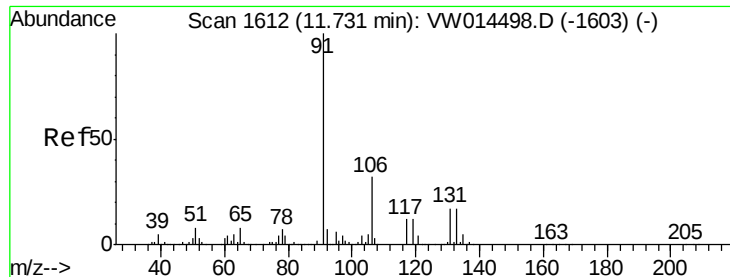
MMDadoda  
1/24/2020 4:02:35 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.461 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Tgt Ion:131 Resp: 132681  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.3 142.0  
119 66.2 33.1 99.3





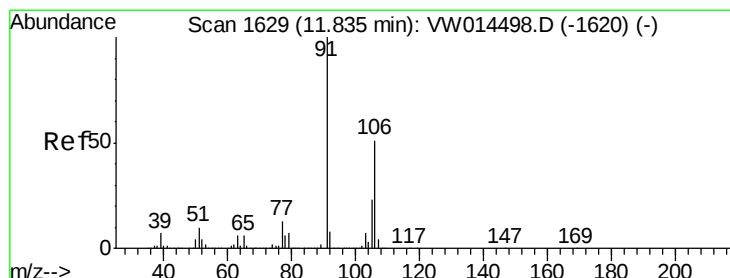
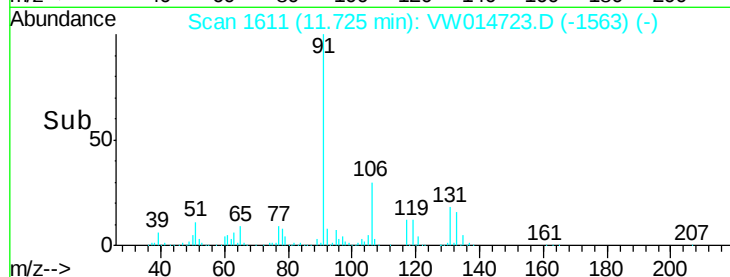
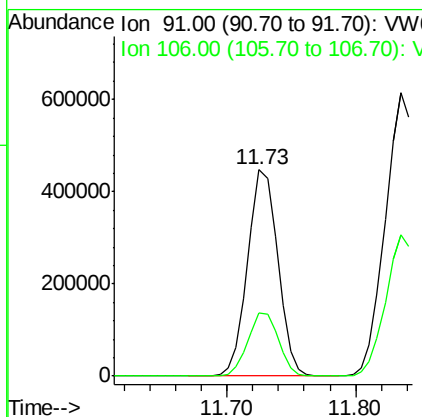
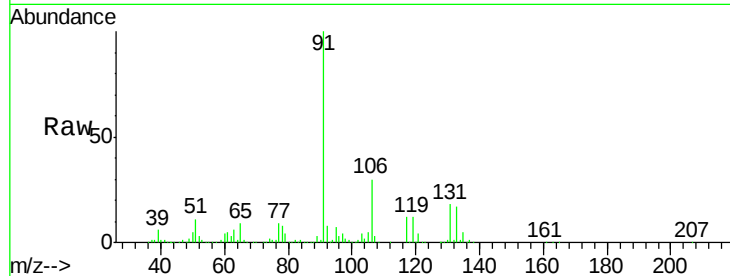
#67  
Ethyl Benzene  
Concen: 22.976 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

Tot Ion: 91 Resp: 726468  
Ion Ratio Lower Upper  
91 100  
106 30.4 25.5 38.3

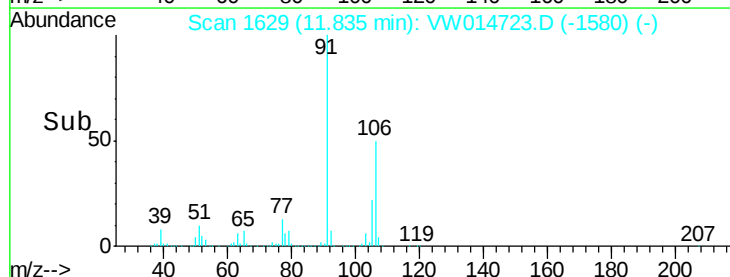
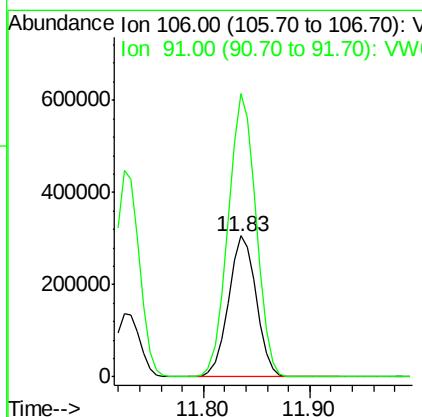
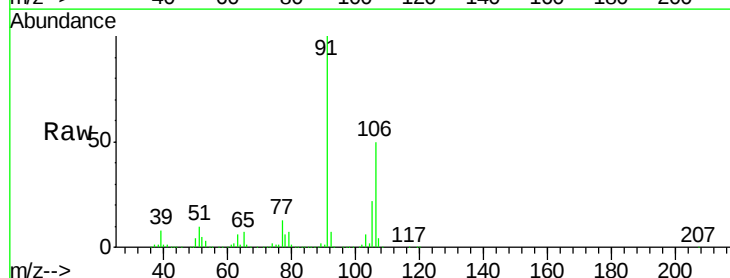
Manual Integrations  
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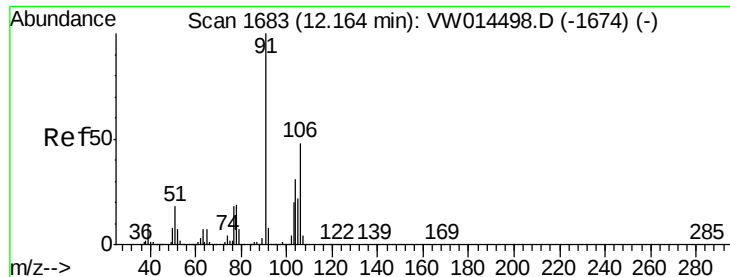
MMDadoda  
1/24/2020 4:02:35 PM



#68  
m/p-Xylenes  
Concen: 46.205 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Tgt Ion: 106 Resp: 559131  
Ion Ratio Lower Upper  
106 100  
91 201.5 159.0 238.6





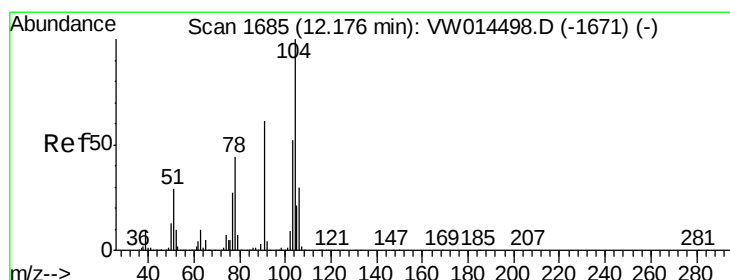
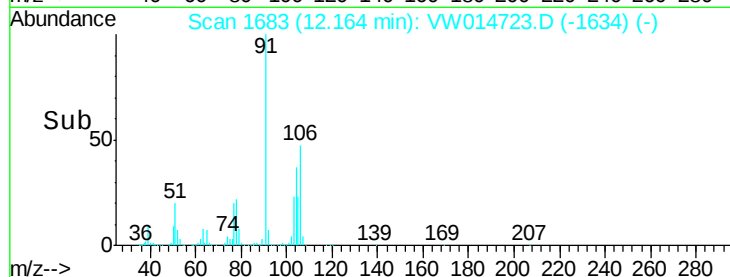
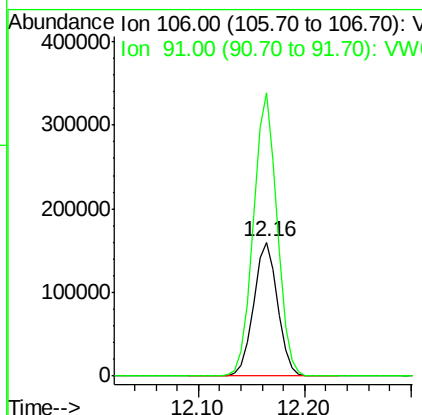
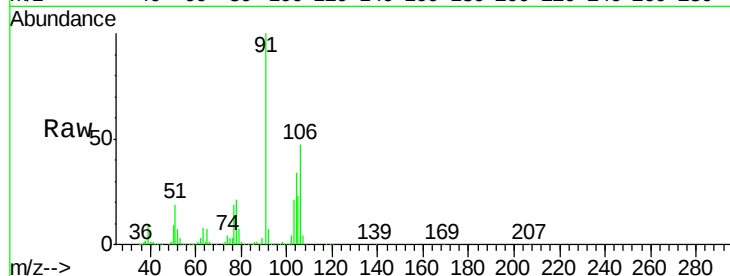
#69  
o-Xylene  
Concen: 22.626 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 252914  | 106 | 100   |       |       |
|         | 91  | 209.2 | 105.2 | 315.6 |

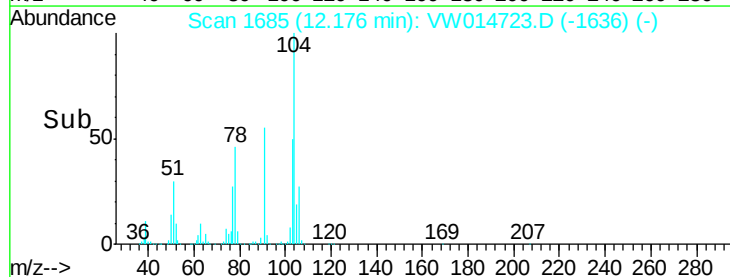
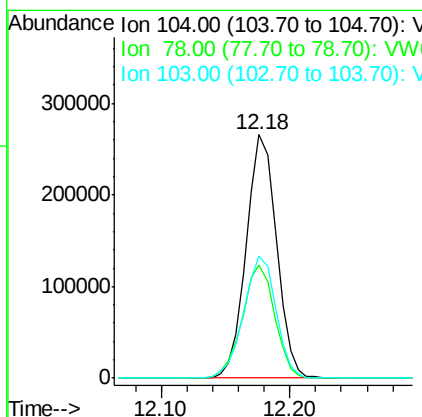
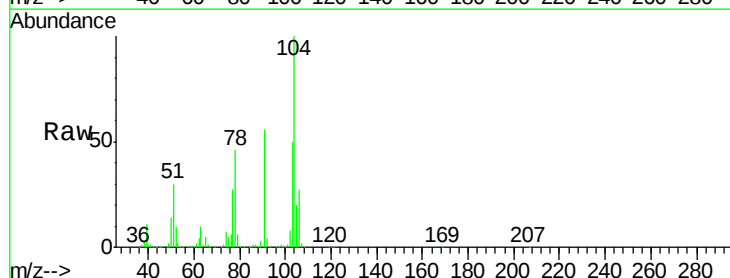
Manual Integrations  
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#70  
Styrene  
Concen: 22.816 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 431373  | 104 | 100   |       |       |
|         | 78  | 50.0  | 38.4  | 57.6  |
|         | 103 | 53.8  | 43.7  | 65.5  |





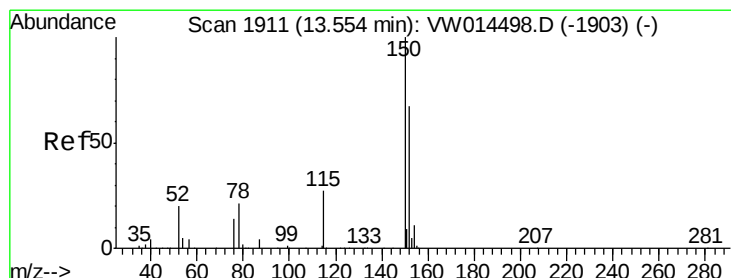
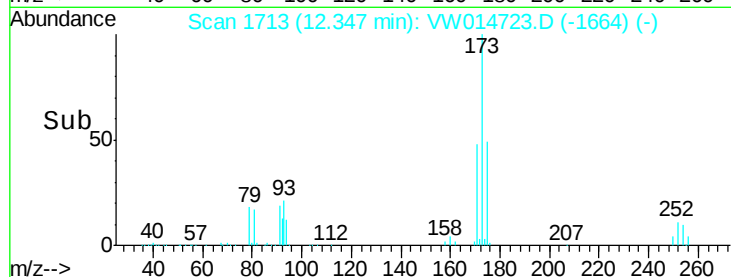
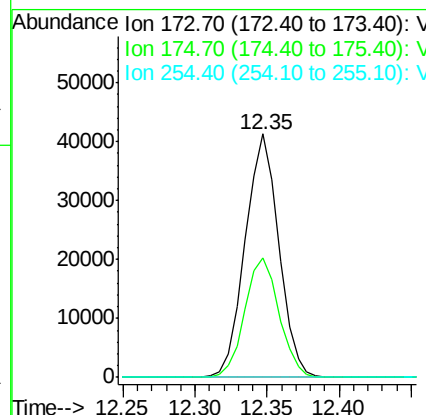
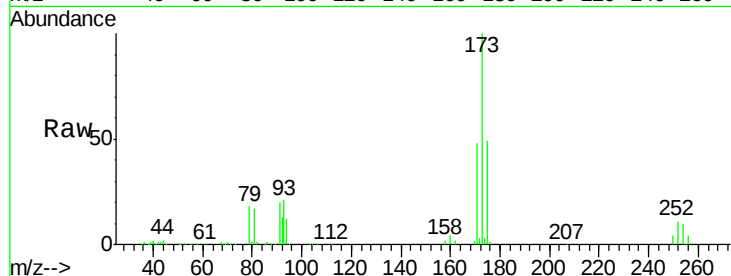
#71  
Bromoform  
Concen: 20.708 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.9  | 24.5  | 73.5  |
| 254     | 0.2   | 0.0   | 0.0   |

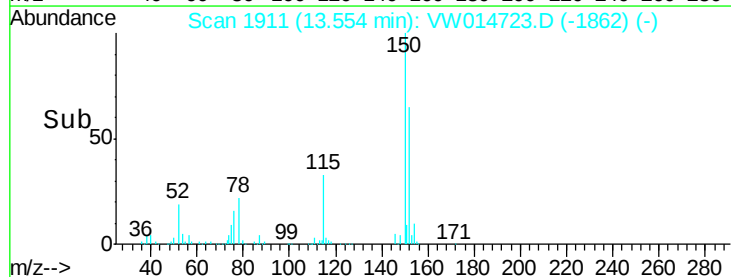
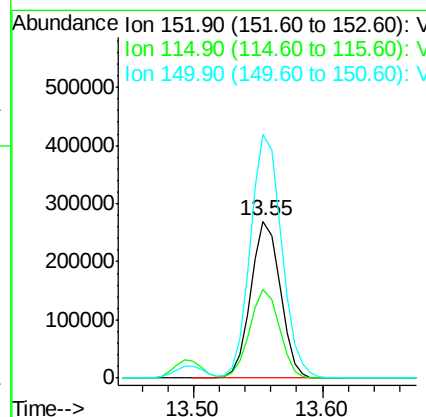
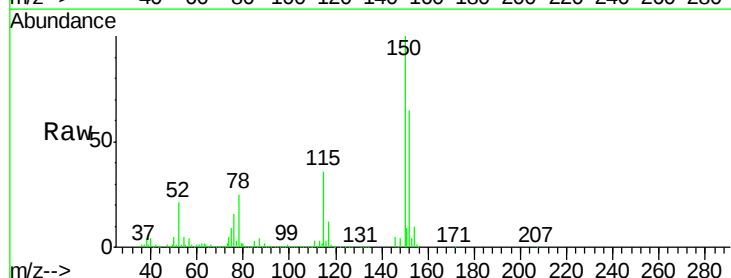
Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 27.7  | 83.1  |
| 150     | 164.5 | 0.0   | 343.4 |





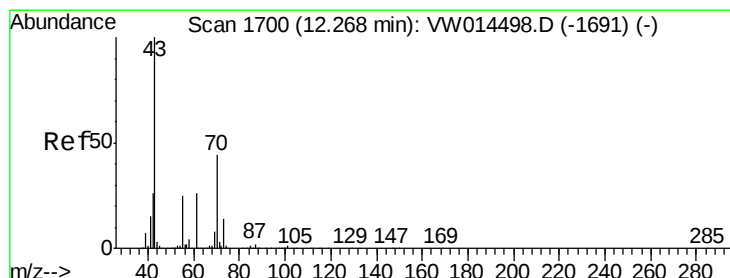
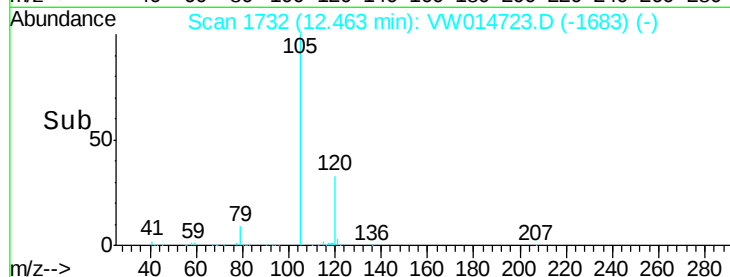
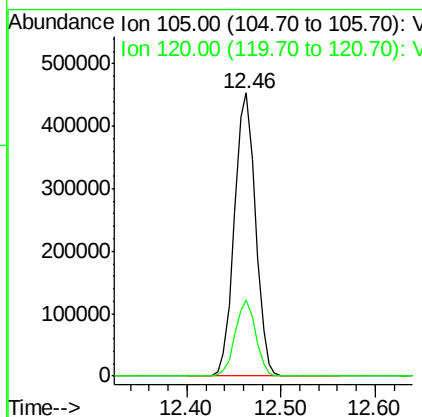
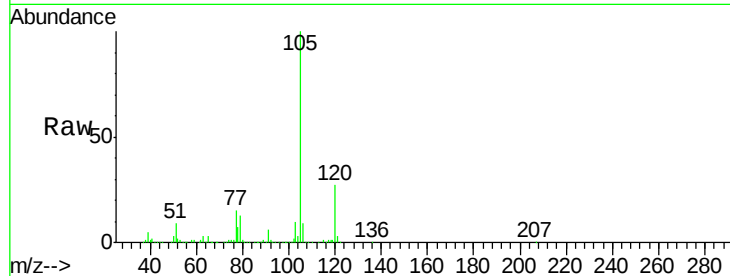
#73  
Isopropylbenzene  
Concen: 22.563 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.3  | 13.4  | 40.1  |

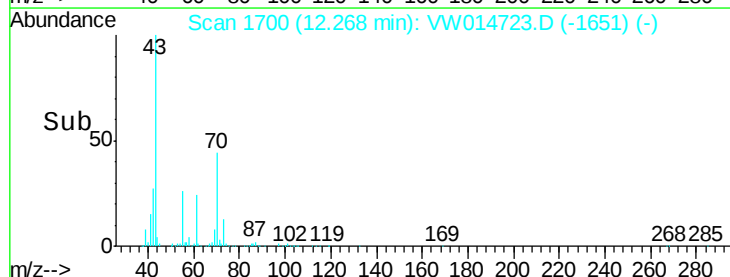
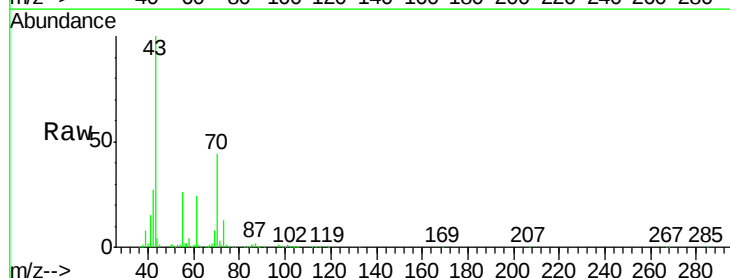
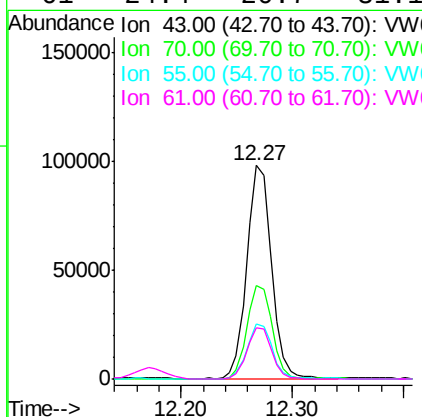
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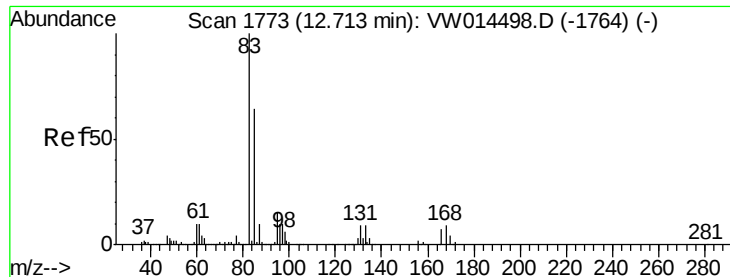
MMDadoda  
1/24/2020 4:02:35 PM



#74  
N-ethyl acetate  
Concen: 21.612 ug/l  
RT: 12.27 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 44.8  | 36.5  | 54.7  |
| 55      | 26.5  | 20.9  | 31.3  |
| 61      | 24.4  | 20.7  | 31.1  |





#75

1,1,2,2-Tetrachloroethane

Concen: 21.489 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

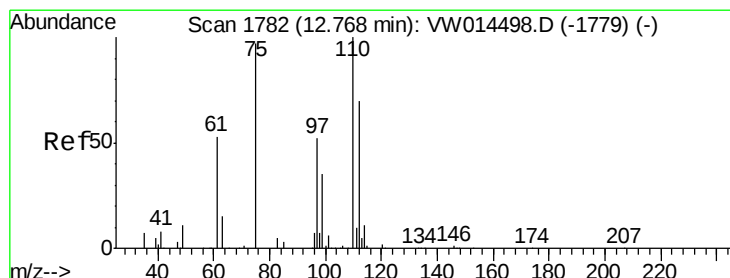
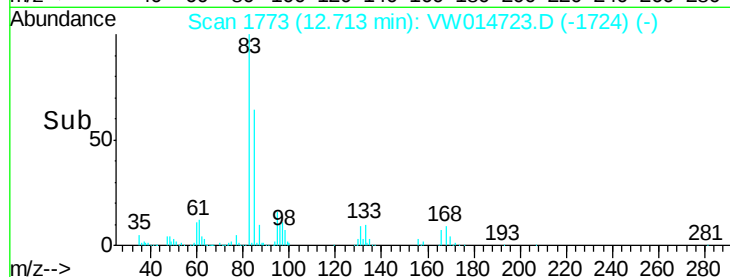
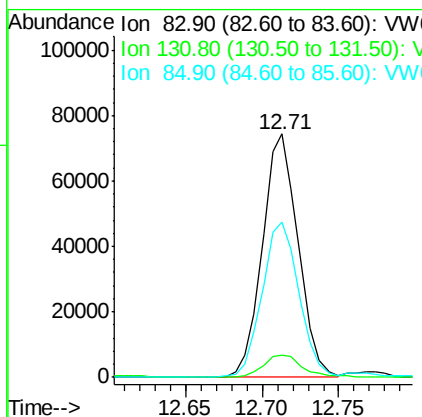
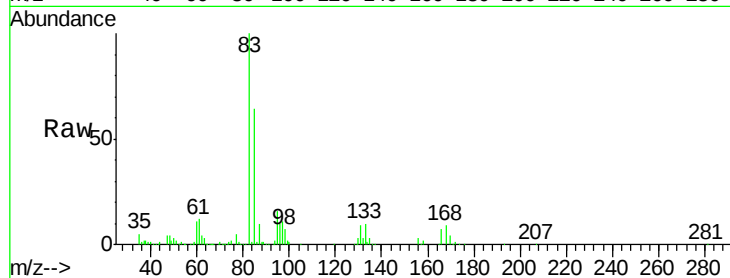
ClientSampleId :

VW0123SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 120944 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 5.1   | 15.4   |
| 85        | 65.8  | 31.9  | 95.7   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 18.731 ug/l m

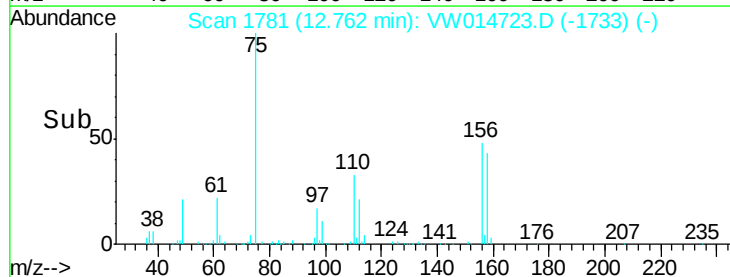
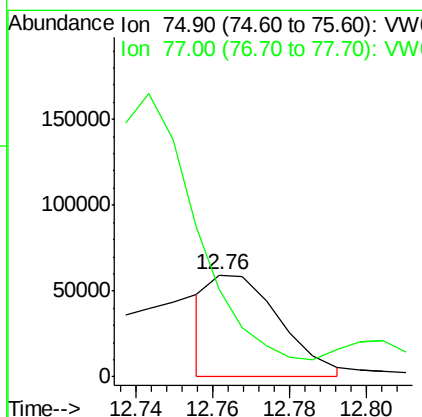
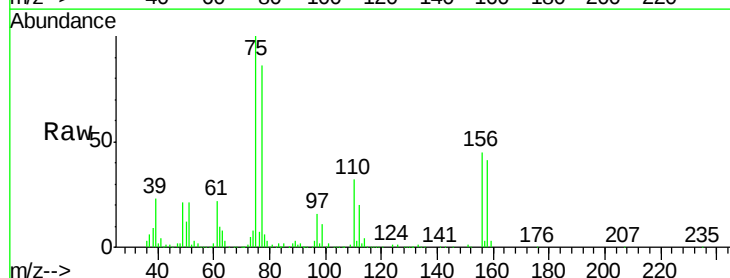
RT: 12.76 min Scan# 1781

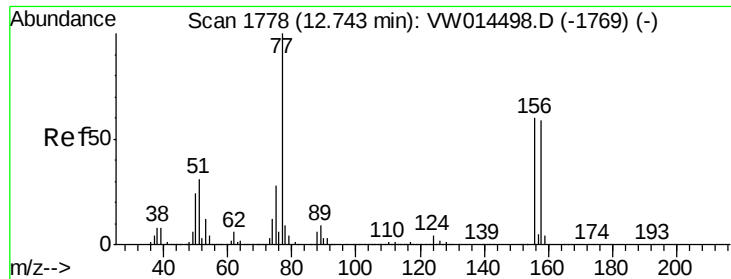
Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 75261 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 401.7 | 0.0   | 0.0#  |





#77

Bromobenzene

Concen: 21.963 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

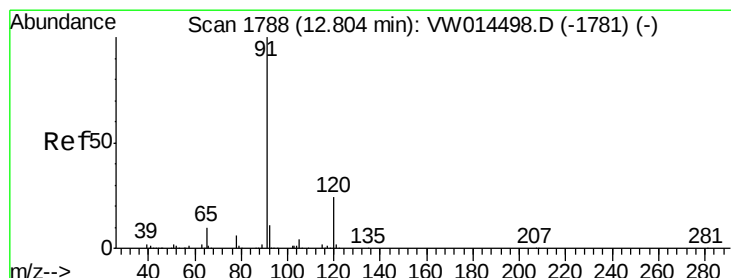
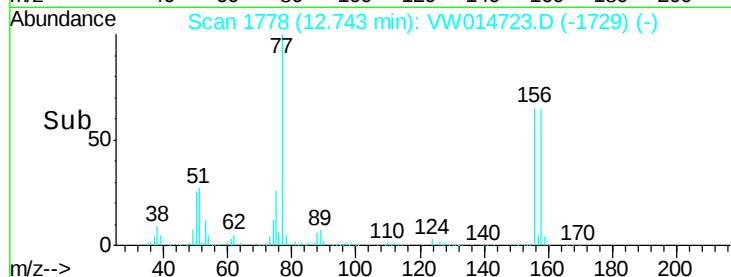
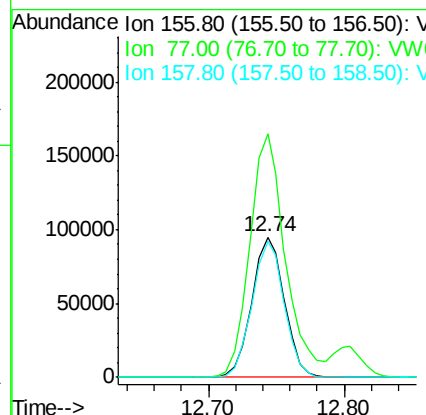
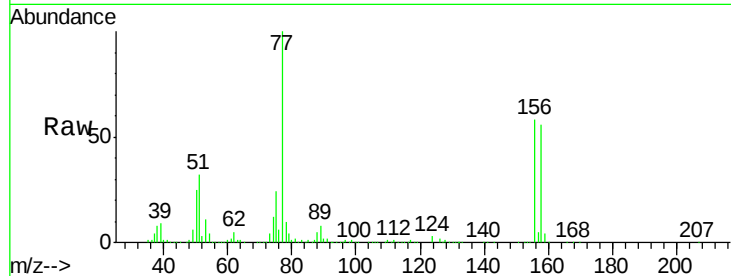
ClientSampleId :

VW0123SBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 159065 |       |       |
| 77      | 190.1 | 92.3  | 277.1  |       |       |
| 158     | 96.2  | 48.6  | 145.9  |       |       |

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#78

n-propylbenzene

Concen: 23.062 ug/l

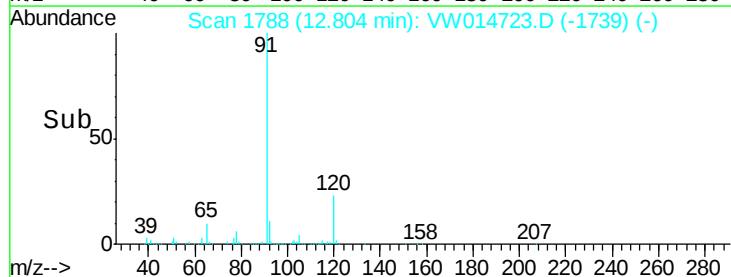
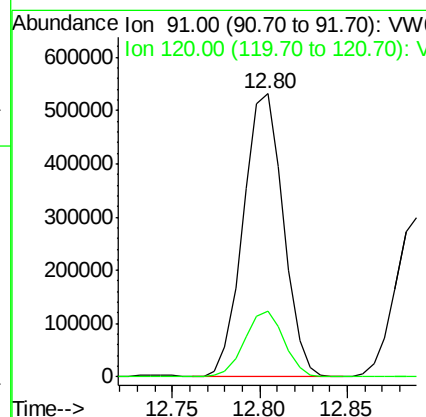
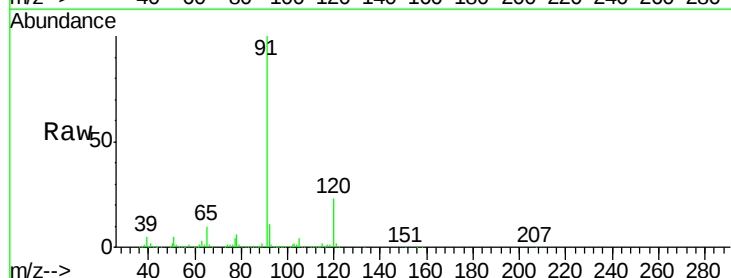
RT: 12.80 min Scan# 1788

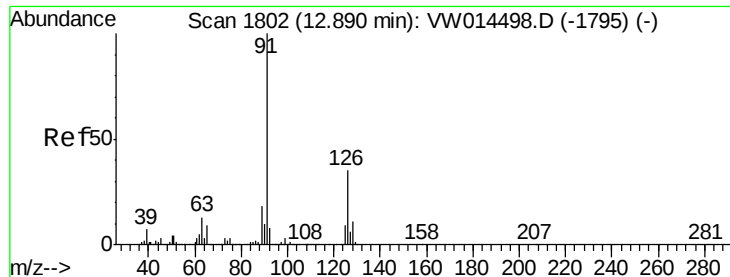
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 845610 |       |       |
| 120     | 22.9 | 11.7  | 35.1   |       |       |





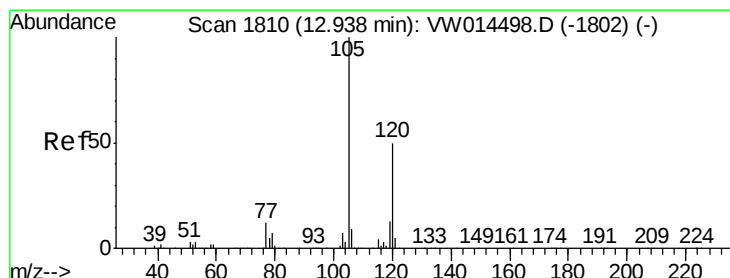
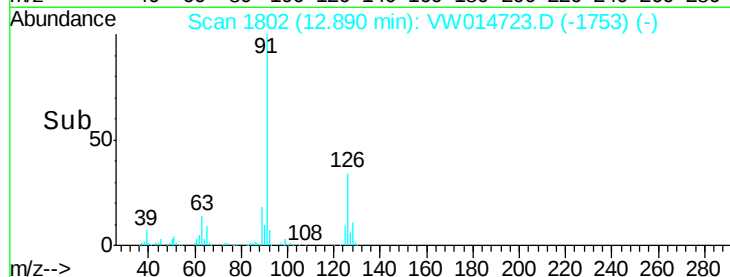
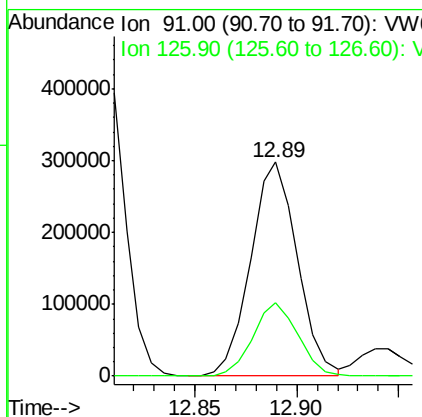
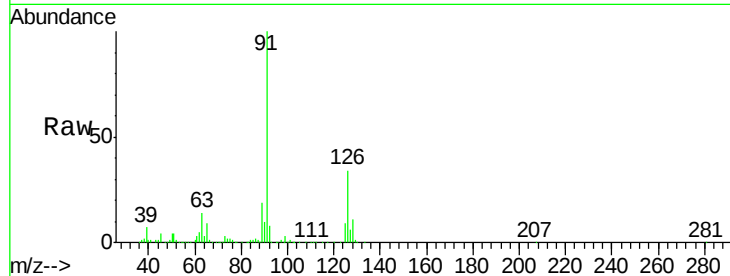
#79  
 2-Chlorotoluene  
 Concen: 22.695 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBS01

Tot Ion: 91 Resp: 473566  
 Ion Ratio Lower Upper  
 91 100  
 126 33.3 17.1 51.2

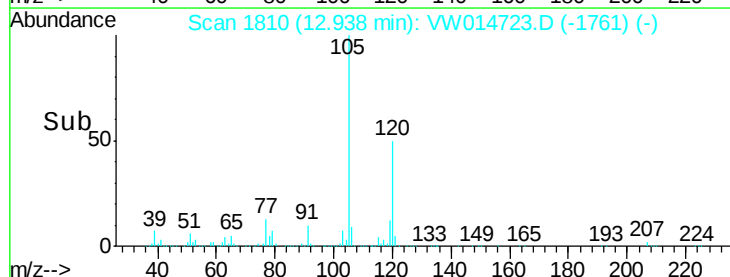
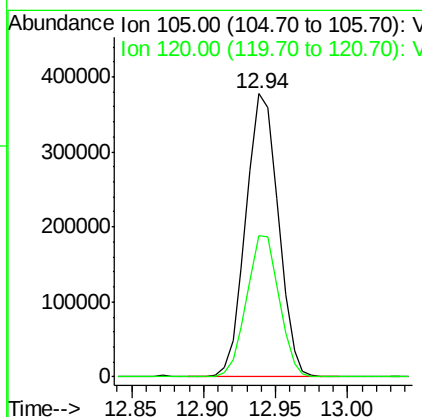
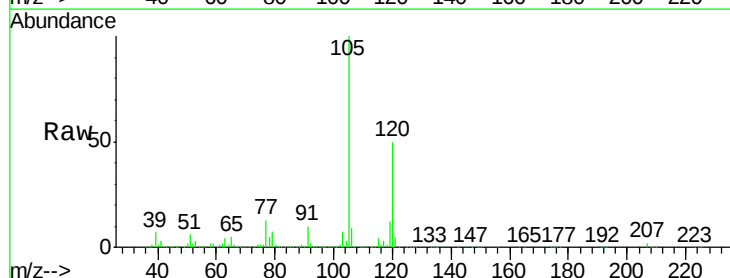
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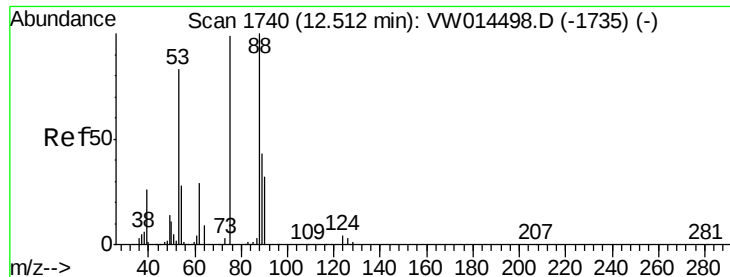
MMDadoda  
 1/24/2020 4:02:35 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 22.449 ug/l  
 RT: 12.94 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Tgt Ion: 105 Resp: 587766  
 Ion Ratio Lower Upper  
 105 100  
 120 49.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.987 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

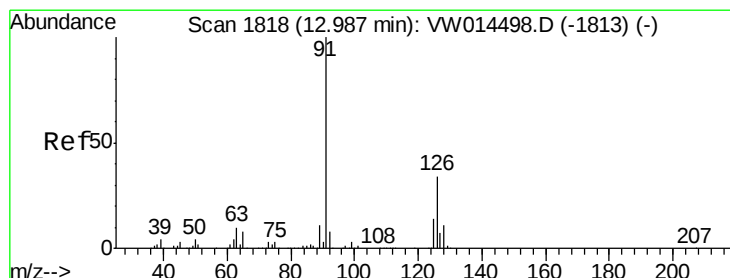
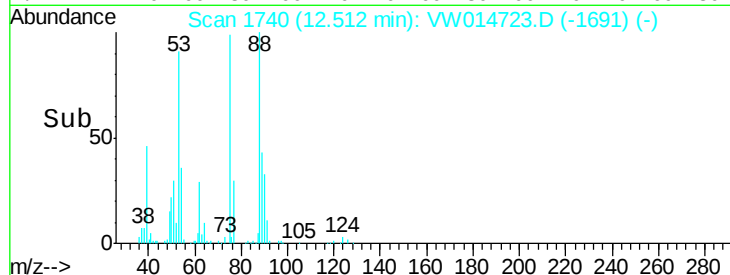
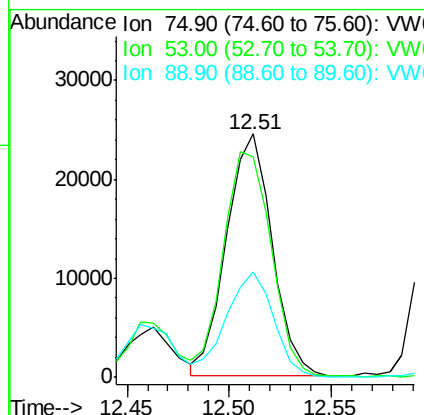
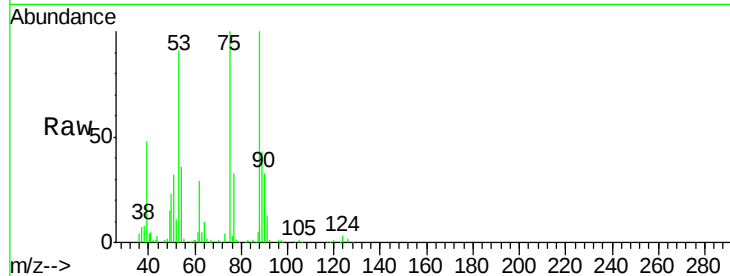
ClientSampleId :

VW0123SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 37848 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 98.1  | 70.9  | 106.3 |
| 89       | 45.5  | 35.8  | 53.8  |

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#82

4-Chlorotoluene

Concen: 23.260 ug/l

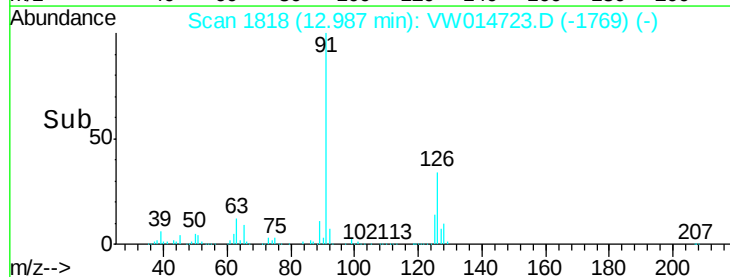
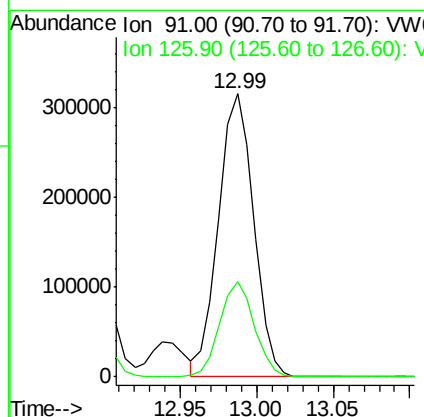
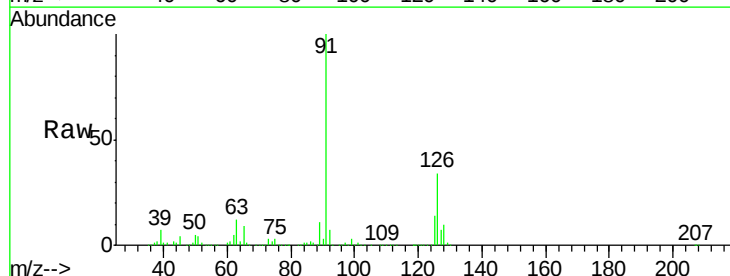
RT: 12.99 min Scan# 1818

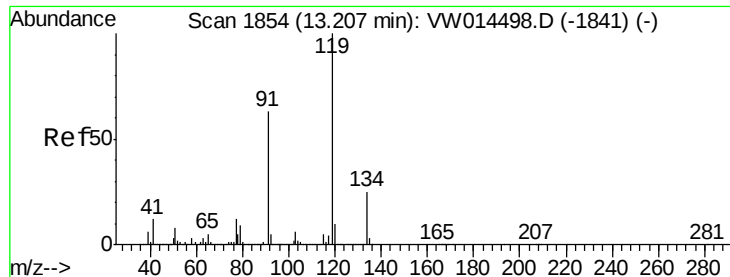
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 504256 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.0  | 17.1  | 51.2   |





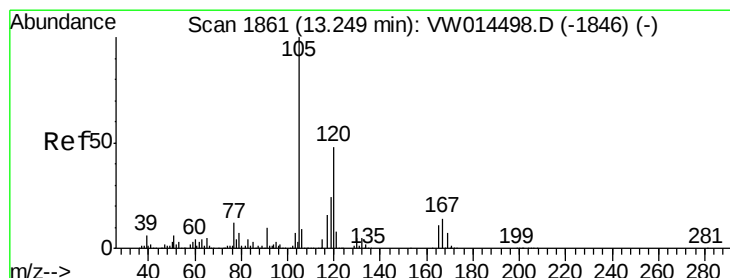
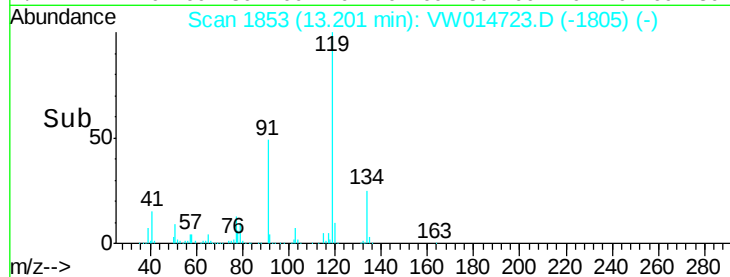
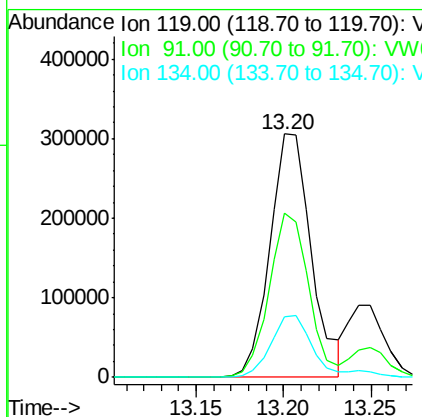
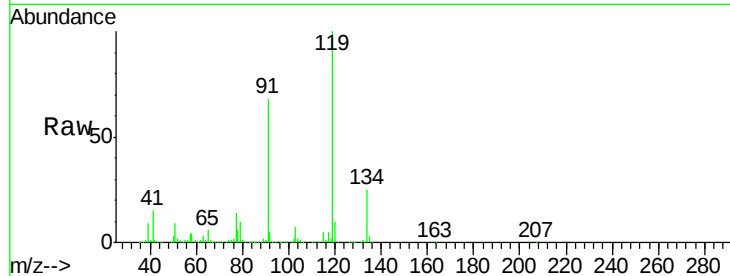
#83  
tert-Butylbenzene  
Concen: 22.066 ug/l  
RT: 13.20 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 505825 |       |       |
| 91      | 64.5  | 31.1   | 93.3  |       |
| 134     | 26.7  | 13.5   | 40.5  |       |

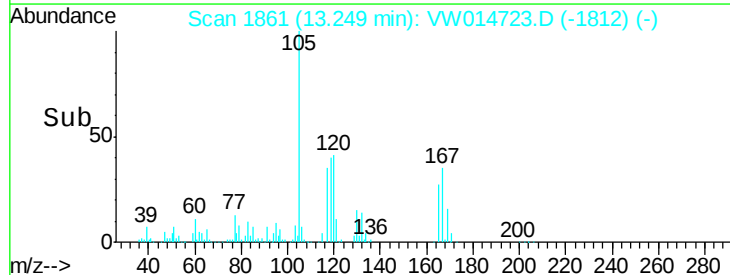
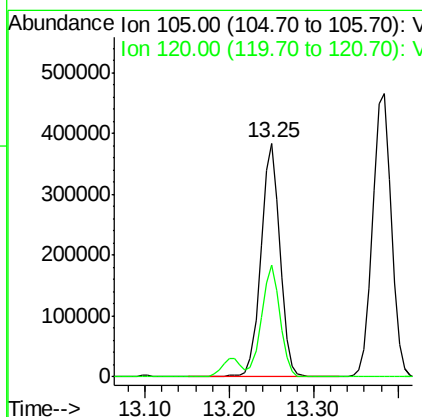
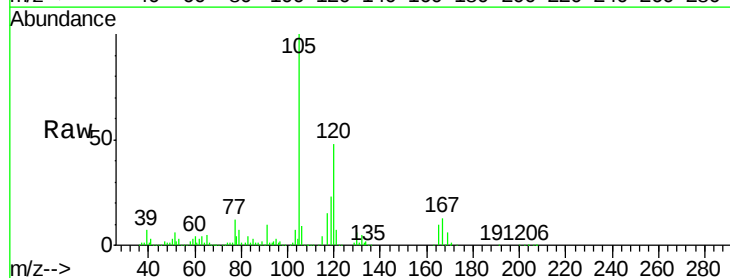
Manual Integrations  
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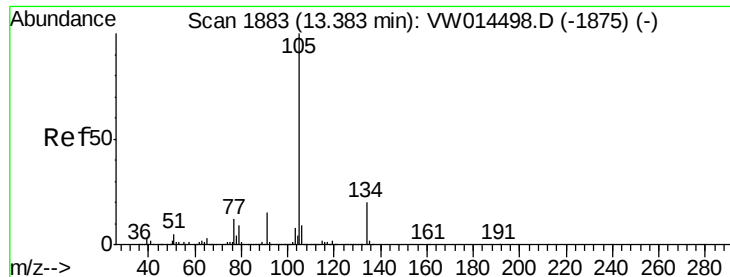
MMDadoda  
1/24/2020 4:02:35 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 22.779 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 593495 |       |       |
| 120     | 46.4  | 23.4   | 70.0  |       |





#85

sec-Butylbenzene

Concen: 22.756 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

ClientSampleId :

VW0123SBS01

Tot Ion:105 Resp: 722043

Ion Ratio Lower Upper

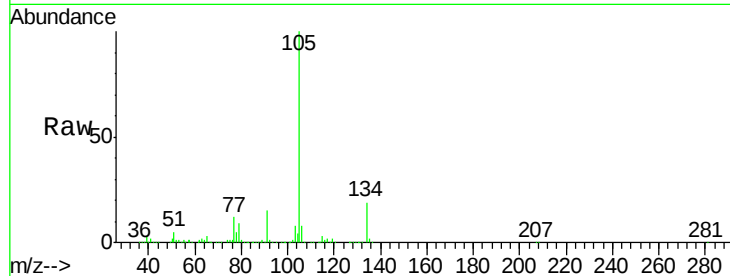
105 100

134 20.0 10.2 30.6

Manual Integrations  
APPROVED

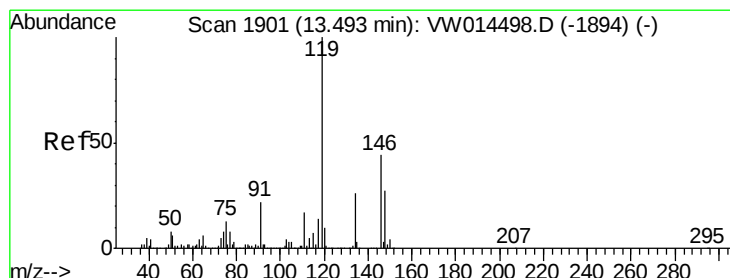
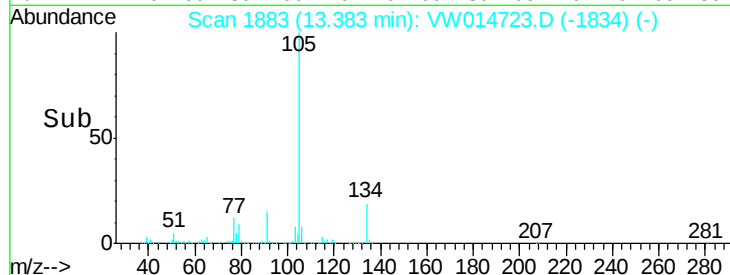
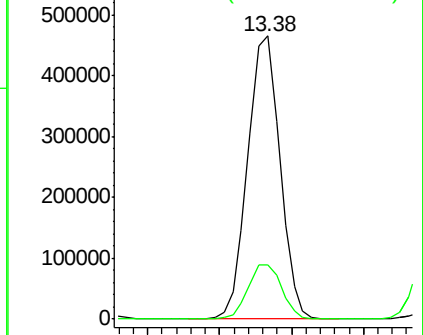
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.547 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

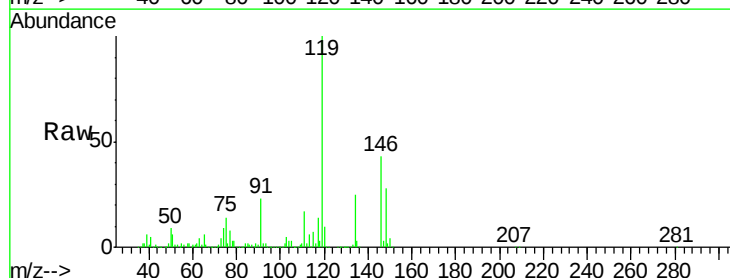
Tgt Ion:119 Resp: 652082

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

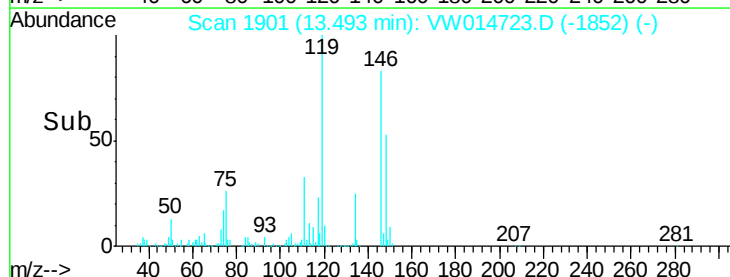
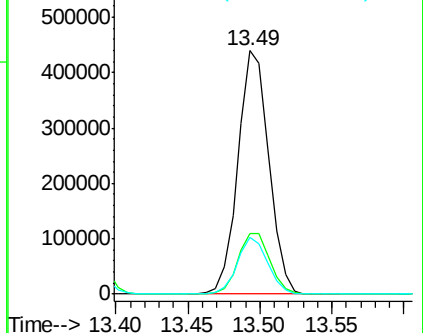
91 23.0 11.1 33.3

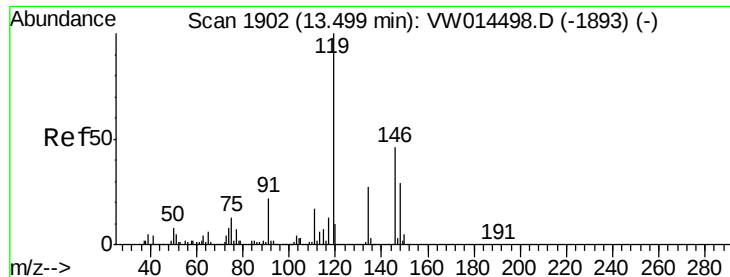


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.069 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

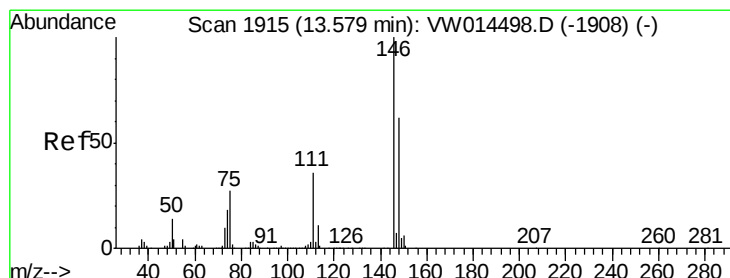
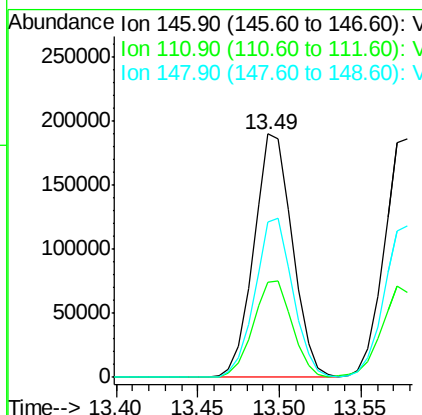
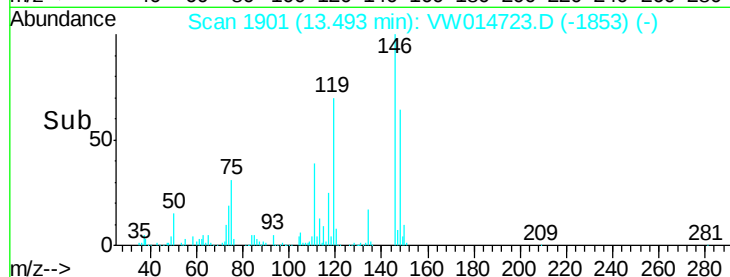
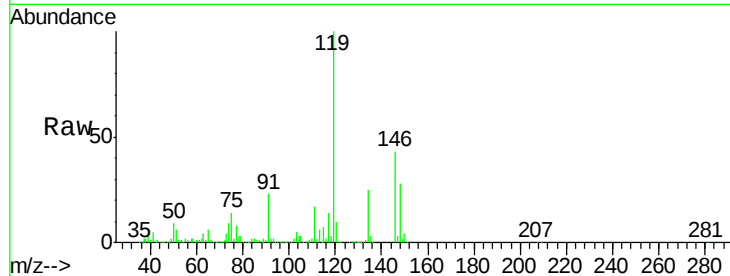
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0123SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 19.3  | 57.9  |
| 148     | 64.2  | 31.8  | 95.4  |

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#88

1,4-Dichlorobenzene

Concen: 21.980 ug/l

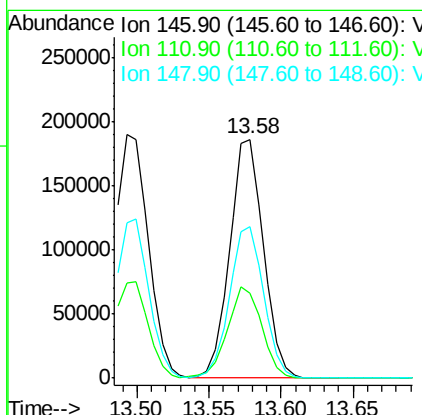
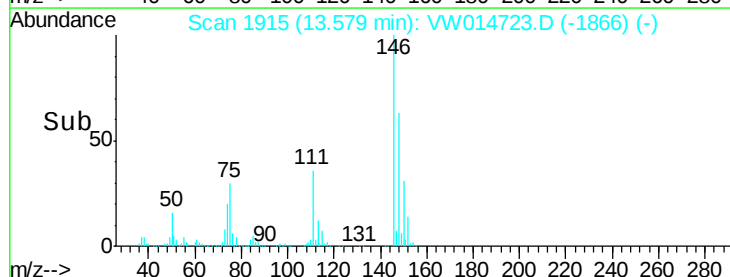
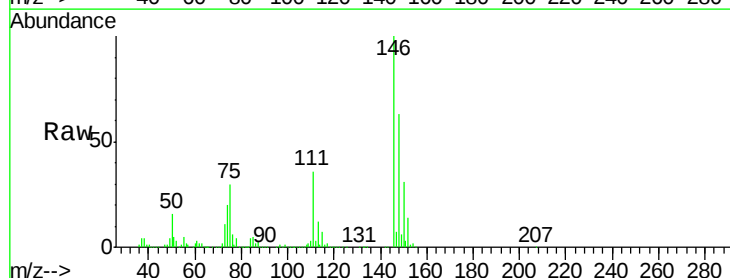
RT: 13.58 min Scan# 1915

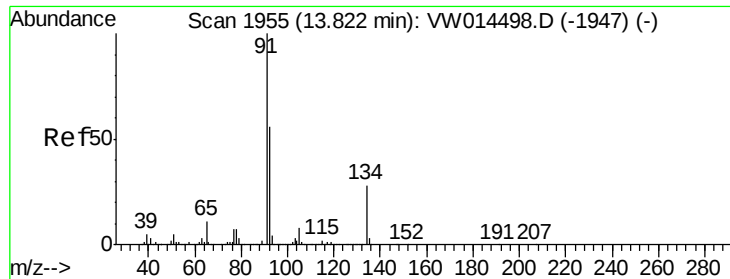
Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 18.7  | 56.1  |
| 148     | 64.1  | 31.7  | 95.1  |





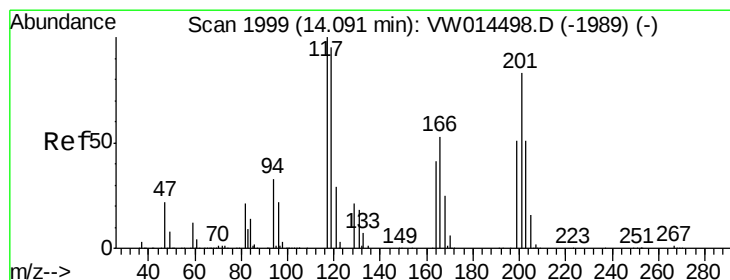
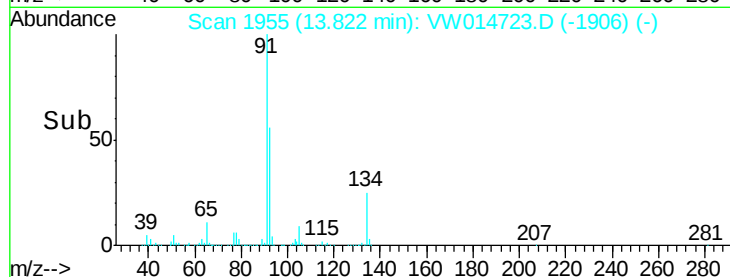
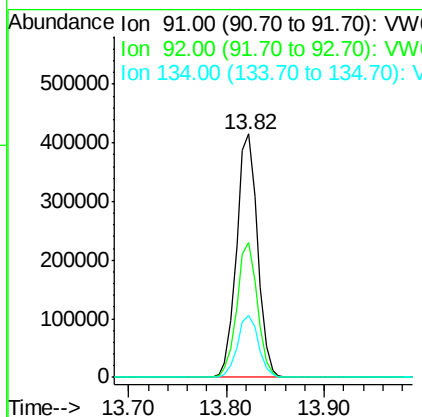
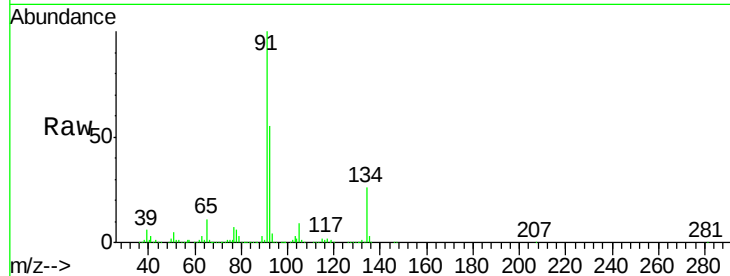
#89  
n-Butylbenzene  
Concen: 23.036 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0123SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.2  | 27.5  | 82.5  |
| 134     | 25.6  | 13.7  | 41.1  |

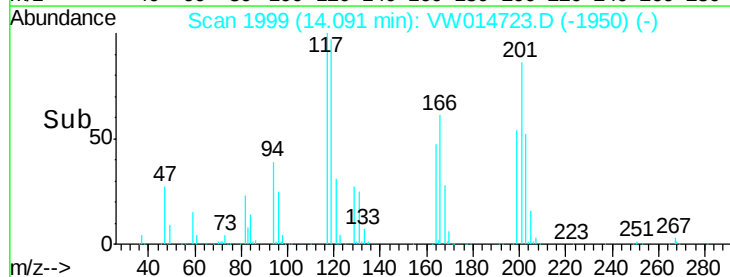
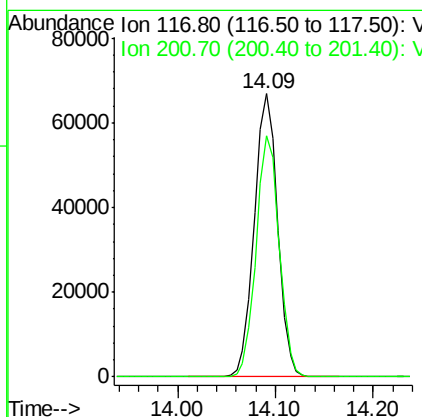
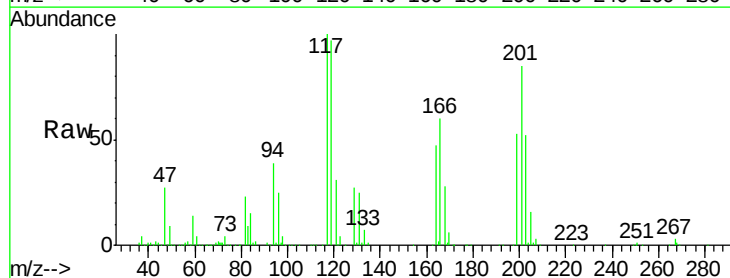
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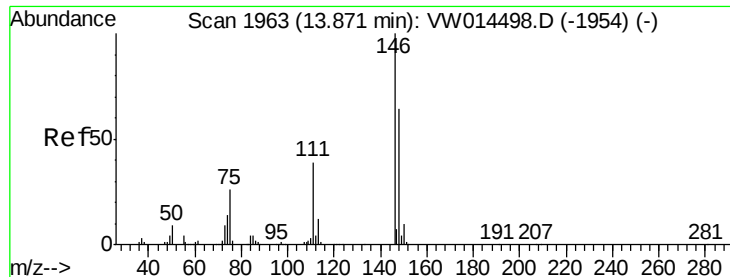
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#90  
Hexachloroethane  
Concen: 21.965 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW014723.D  
Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.9  | 43.0  | 128.8 |





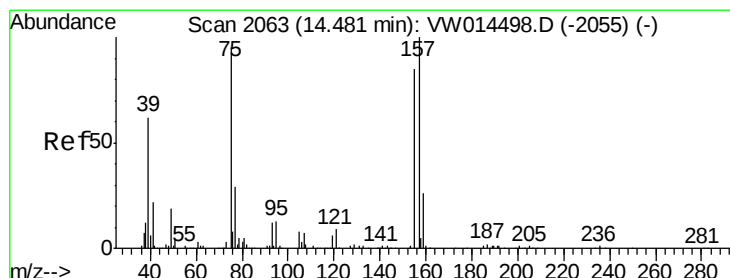
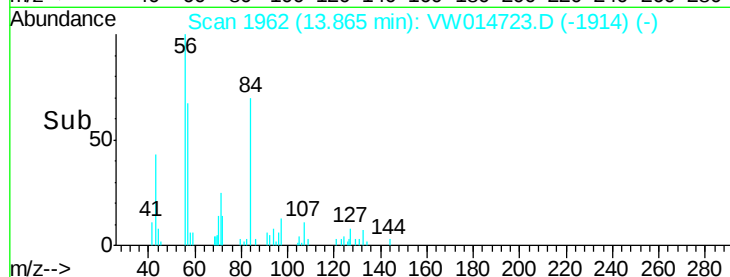
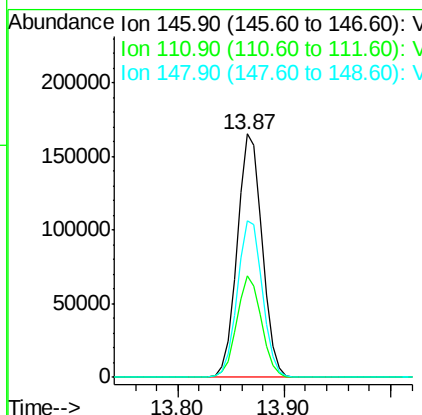
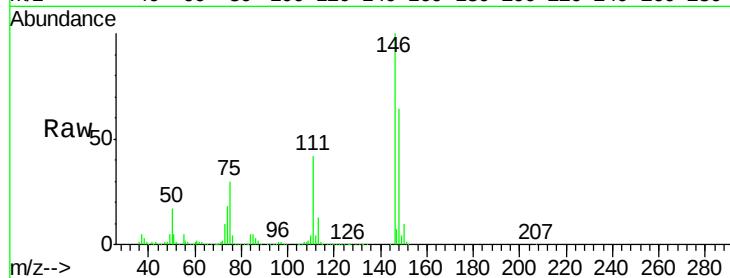
#91  
 1,2-Dichlorobenzene  
 Concen: 21.960 ug/l  
 RT: 13.87 min Scan# 1962  
 Delta R.T. -0.01 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 271822 |       |       |
| 111     | 41.3  |        | 20.4  | 61.3  |
| 148     | 64.8  |        | 32.3  | 96.8  |

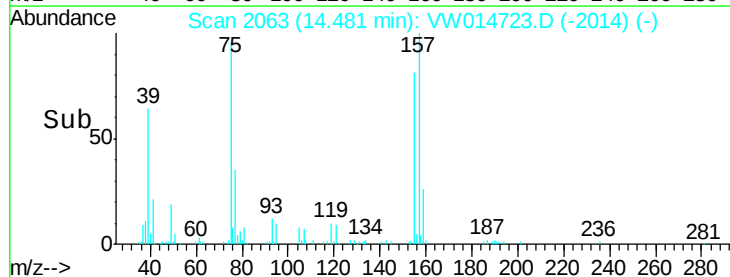
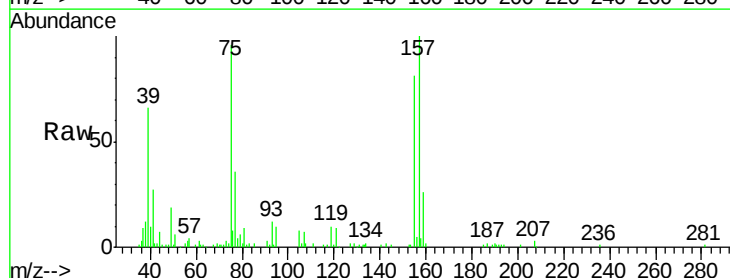
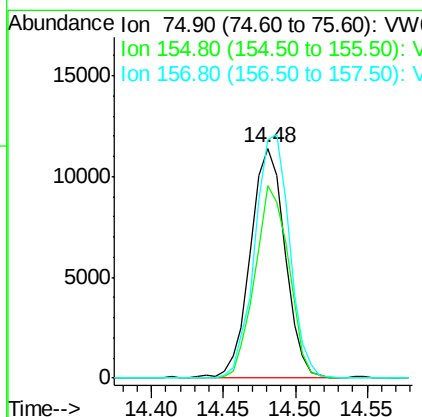
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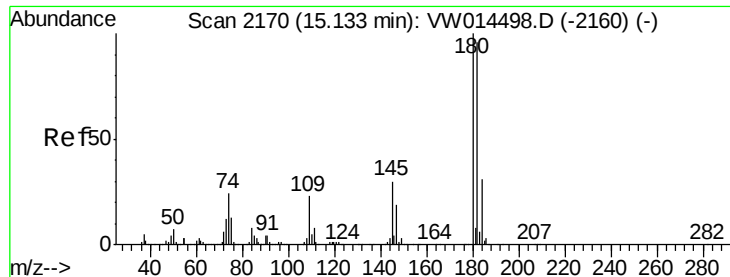
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.298 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 18983 |       |       |
| 155     | 81.8  |       | 45.8  | 137.4 |
| 157     | 106.0 |       | 58.1  | 174.2 |





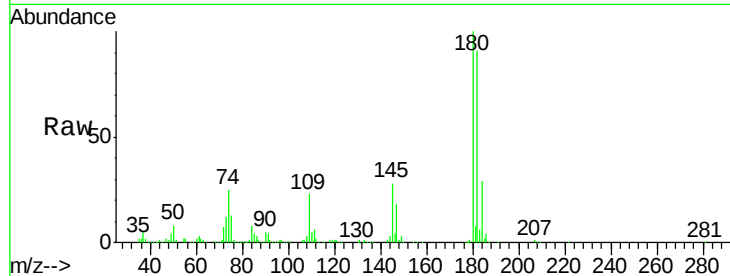
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.243 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0123SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 177570 |       |       |
| 182     | 92.5  | 47.3   | 141.8 |       |
| 145     | 29.0  | 14.7   | 44.1  |       |

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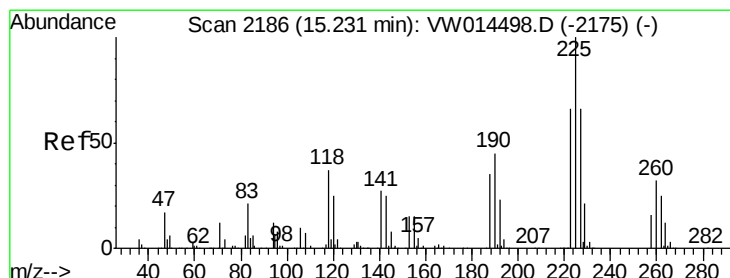
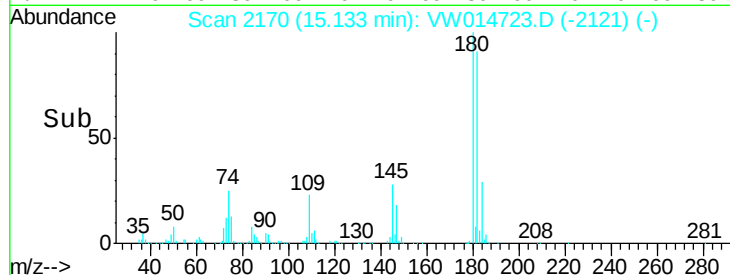
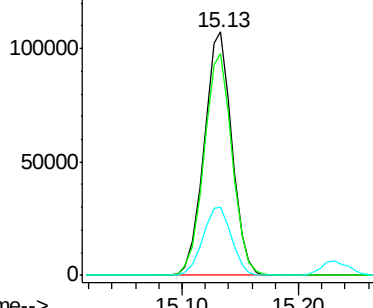


Abundance

Ion 179.80 (179.50 to 180.50): V

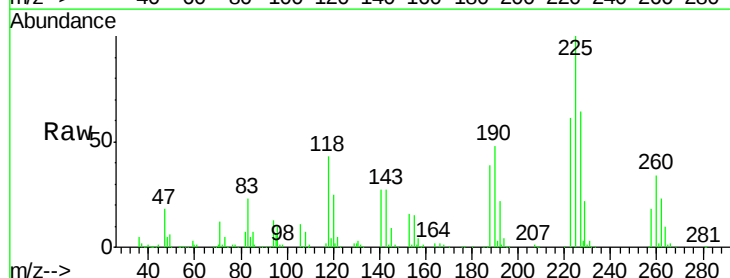
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 21.695 ug/l  
 RT: 15.23 min Scan# 2186  
 Delta R.T. 0.00 min  
 Lab File: VW014723.D  
 Acq: 23 Jan 2020 14:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 121529 |       |       |
| 223     | 62.2  | 32.4   | 97.2  |       |
| 227     | 62.6  | 32.6   | 97.8  |       |

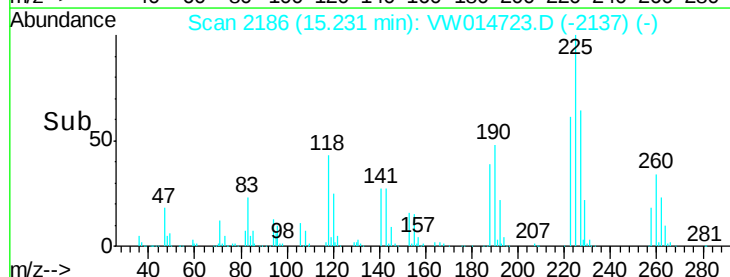
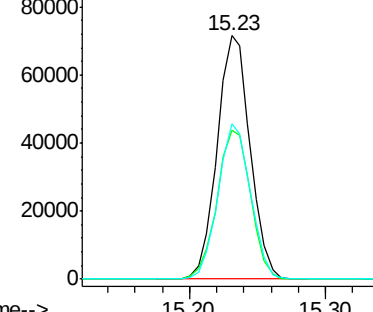


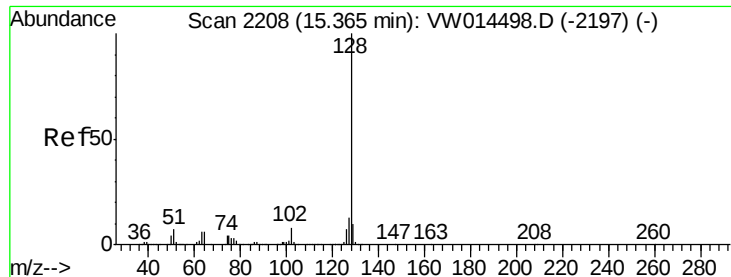
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.558 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA\_W

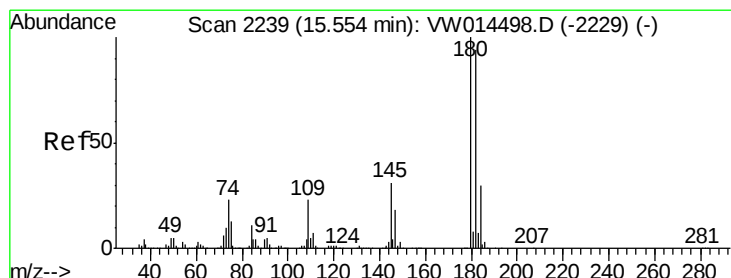
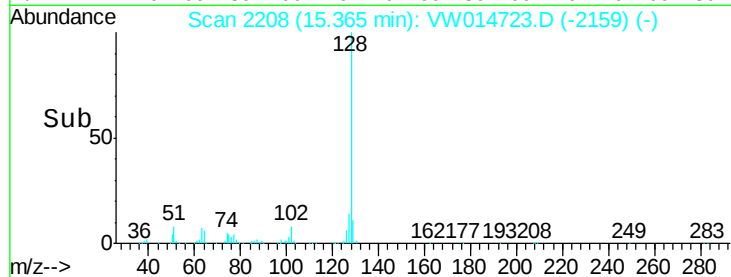
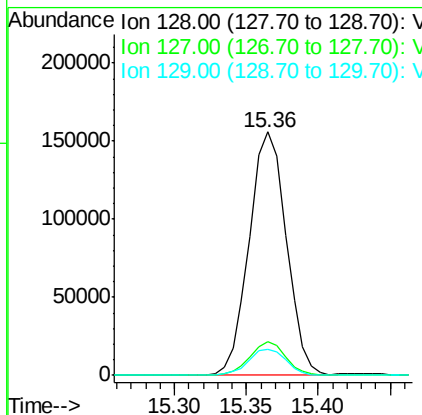
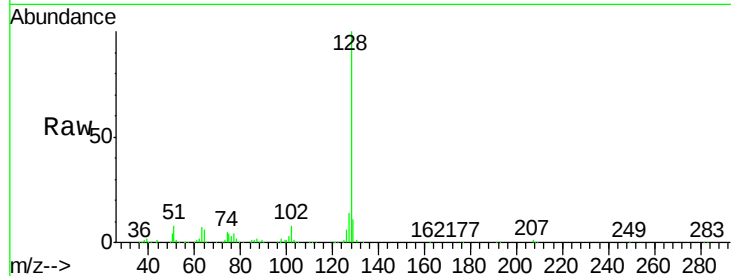
ClientSampleId :

VW0123SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 278811 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.6  | 15.8   |
| 129       | 11.0  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 20.436 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 148898 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 47.4  | 142.2  |
| 145       | 31.3  | 15.5  | 46.5   |

